

# NEWTON

## SENIOR HIGH SCHOOL



### ACADEMIC PLANNING HANDBOOK

### 2021-2022



## **Newton Senior High School**

800 East Fourth Street South  
Newton, Iowa 50208

[www.newton.k12.ia.us](http://www.newton.k12.ia.us)

High School Office 641-792-5797

District Office 641-792-5809

Counseling Office 641-792-5829

Bill Peters, Principal  
Ryan Rump, Activities Coordinator/Assistant Principal  
Dave Kalkhoff, Assistant Principal  
Jim Beerends, Assistant Principal  
Ann Nelson, LMC Director/HS Curriculum

Shelly Fitzgerald, Counselor A-G  
Jessica Lavelly, Counselor H-N  
Cassia Nolin, Counselor O-Z  
NHS Staff, Success

### **Newton Community School District Mission Statement**

The Newton Community School District empowers every  
learned to achieve a lifetime of personal success.

### **Newton Senior High School Vision Statement**

We are a collaborative and cohesive team that inspires and supports  
all learners in a culture of safety and acceptance.

# **Newton Cardinals**



*Character first, last, and always.*

## Alphabetical Index

Academic Improvement Awards .....	20
Academic Letters .....	20
Admission Requirements at Iowa Regents Universities.....	14
<b>Agriculture, Science, Technology, &amp; Marketing Courses .....</b>	<b>22</b>
<b>Art Courses.....</b>	<b>24</b>
Audit Policy.....	17
<b>Business Education Courses.....</b>	<b>27</b>
Careers Pathways - Art and Communication .....	8
Careers Pathways - Business .....	9
Careers Pathways - Health .....	10
Careers Pathways - Human Services .....	11
Careers Pathways - Science, Technology, Engineering, Art, and Mathematics .....	12
Computer Science.....	59
Correspondence Courses .....	15
DMACC Career Academy .....	6, 16
EBCE.....	63
ELL.....	37
Early Graduation .....	17
Extracurricular Activities .....	21
<b>Family &amp; Consumer Science &amp; Health Courses .....</b>	<b>31</b>
Fees and Fee Waivers .....	5
<b>Foreign Language Courses.....</b>	<b>35</b>
Four-Year Plan .....	5
Grade Point Average.....	19
Grading System.....	18
Graduation Requirements .....	4
<b>Guidance Courses.....</b>	<b>37</b>
Homebound Instruction .....	15
Honor Roll .....	20
Independent Study .....	15
<b>Industrial Technology Courses.....</b>	<b>38</b>
<b>Language Arts Courses.....</b>	<b>42</b>
<b>Mathematics Courses .....</b>	<b>47</b>
Minimum Credit and Class Requirements.....	17
Mission Statement.....	2
<b>Music Courses.....</b>	<b>51</b>
National Honor Society .....	20
Non-Discrimination Policy .....	3
<b>Physical Education Courses .....</b>	<b>53</b>
Postsecondary Enrollment Options .....	15
<b>Pre-Engineering.....</b>	<b>55</b>
Progress Reports .....	18
Recommended Sequencing of Minimum Required Credits .....	5
Response to Allegations of Abuse .....	3
Schedule Changes .....	15
Scheduling Guidelines .....	15
School Improvement Plan .....	2
<b>Science Courses .....</b>	<b>56</b>
Senior Privileges .....	17
<b>Social Studies Courses .....</b>	<b>60</b>
<b>Special Education Courses.....</b>	<b>63</b>
Student Due Process Rights .....	3
Student Records .....	3
Summer School Options .....	16
Transcripts.....	17
Vision Statement .....	2
West Academy .....	15

## **Non-Discrimination Policy**

The Newton Community School District maintains that every student will have equal educational opportunities:

*It is the policy of the Newton Community Schools not to illegally discriminate on the basis of race, color, creed, age (employment only), marital status, religion, national origin, gender, sexual orientation, gender identity, socioeconomic status (students/program only) or disability in its educational programs and its employment practices.*

There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy, please contact the District's Equity Coordinator, Laura Selover, 1302 First Avenue West, Newton, Iowa 50208, Phone (641) 792-5809, or email [seloverl@newtoncsd.org](mailto:seloverl@newtoncsd.org).

## **Student Due Process Rights**

It shall be the policy of the Board of Education to provide for student due process rights. Board policies provide legitimate and reasonable channels through which policy interpretations may be quickly and equitably resolved at the lowest possible level. Student due process policies and regulations are available at any school office.

## **Response to Allegations of Abuse**

The Newton Community School District will respond promptly to allegations of school employee abuse of students by investigating or arranging for full investigation of any allegation, and will do so in a reasonably prudent manner. The processing of a complaint or allegation will be handled confidentially to the maximum extent possible. The Newton Community School District has appointed the two Directors of Educational Services as Level I Investigators. Jessica Ferguson, Director of Special Programs, will investigate at the 7<sup>th</sup> through 12<sup>th</sup> grade level and can be reached at 1302 First Avenue West, Newton, Iowa 50208, (641) 792-5809. Each individual will serve as the alternate investigator to the other level.

## **Fees and Fee Waivers**

It is the intent of Newton High School to provide equal academic and extracurricular opportunities to all students regardless of the associated costs. Applications and guidelines for Fee Waivers and Reductions and Free and Reduced Lunch are available during and following the August registration days. Students and parents should contact any counselor or administrator whenever they have a need for assistance in paying for any costs assessed by Newton High School. All inquiries will remain strictly confidential.

## **Student Records**

There are two types of student records: Student Permanent Records and Student Temporary Records.

**Student Permanent Records** include:

1. Basic information (students' and parents' names and addresses, birth dates and places, etc.)
2. Academic transcript (includes grades, class rank, graduation date, grade level achieved, etc.)
3. Attendance record
4. Health record
5. Record of release of permanent record information

**Student Temporary Records** consists of all information not required to be in the Student Permanent Record and may include:

1. Family background information
2. Intelligence test scores
3. Aptitude test scores
4. Psychological evaluations
5. Honors and awards
6. Elementary and secondary achievement test scores
7. Special education records
8. Record of release of temporary record information

Student records are confidential. Your parent or guardian may see them and you may see them if you are eighteen years old. Information regarding the release of records and the right to challenge a record may be obtained from your counselor or principal. (Board policies 505.1 - 505.3)

## **Newton Community School District Graduation Requirements** **(Board Policy 605.4)**

Students must successfully complete the required courses of study prior to graduation as determined by the State Department of Education and the Board of Directors.

It shall be the responsibility of the superintendent or designee to ensure that students complete grades one through twelve and that high school students complete the required credits prior to graduation.

### **Credit Requirements**

Diploma from:	<u>Newton High School</u>	<u>West Academy</u>
<u>Curriculum Area</u>		
Language Arts <sup>1</sup>	8	8
Mathematics	6	6
Science <sup>2</sup>	6	6
Social Studies <sup>3</sup>	6	6
Physical Education <sup>4</sup>	4	4
Health	1	1
Computer Skills	0	1
Careers	0	1
Personal Finance	0	1
Possible Selves	0	1
Elective Credits	21	5
Total Credits	52	40

### **Notes**

- <sup>1</sup> Includes two credits in English Foundations/English, English I, and/or Enhanced English I, two credits in English II or Enhanced English II, one credit in Writing, and/or one credit in Literature, and/or two electives.
- <sup>2</sup> Includes two credits of Integrated Science, two credits Biology, and two credits Chemistry, applied, regular, enhanced or applicable courses.
- <sup>3</sup> Global Studies, Economics, U.S. History I, U.S. History II, and U.S. Government are required. One additional Social Studies credit must be earned from a Behavioral Studies Group.
- <sup>4</sup> Physical Education graduation credits will not be waived for early graduation.
- <sup>5</sup> Math credits from core courses that include Algebra, Geometry & Algebra II.

A student will not be allowed to graduate with fewer than the required credits without the approval of the Board of Directors. Special education students must meet individual graduation requirements as stated in their individual education plans. The Board of Directors shall have complete discretion to determine extraordinary circumstances. Newton Senior High School does not accept home school credits or credits from for profit schools.

The required courses of study will be reviewed by the Board of Directors every year.

## Diploma Requirements

The Newton Community School District will offer its graduates diplomas from either Newton Senior High School or from West Academy High School if they have met the respective school's requirements.

To receive a Newton Senior High School diploma, students must meet the credit requirements listed on page 5 and be enrolled in and attend classes at Newton Senior High School carrying at least **5 credits during the student's last semester prior to graduation.**

To receive a West Academy High School diploma, students must meet the credit requirements listed on page 5 and have earned at least two credits from West Academy High School during the student's last semester prior to graduation.

Exceptions to the diploma enrollment requirements may be considered in cases of extreme hardship, serious medical conditions, or significant unusual circumstances. These exceptions must be agreed upon by both the principal of Newton Senior High School and the director of West Academy High School. Should the principal and director not agree, the superintendent or designee shall render a decision.

### ***Here's how we recommend that you take your required courses:***

<u>Freshman</u>	<u>Sophomore</u>	<u>Junior</u>	<u>Senior</u>
Physical Education	Physical Education	Physical Education	Physical Education
English	English	English Electives	English Electives
Integrated Science	Science Electives	Science Electives	U.S. Government
Mathematics	Mathematics	Mathematics	
Global Studies	Health	U.S. History I & II	

Social Studies Behavioral Studies Credit in grades 10, 11, or 12.  
Economics must be taken as a Junior or Senior

### ***Developing a Four-Year Plan is Important!***

Selecting which courses to take during each of your high school years requires careful planning and thought. You want to match your interests and aptitudes with both the required and elective courses. You are encouraged to try courses in different areas to help discover new interests and broaden your preparation for whatever the future holds. Will you be prepared for employment or college after high school graduation? Will you be prepared to change careers multiple times as most people now do? As you plan your high school career, involve others in helping make course selections.

The DMACC Career Academy is a program open to juniors and seniors and prepares them for or offers the opportunity to explore one of eleven different careers. These programs offer numerous college credits and help serve as a springboard into the future for students who choose to pursue these careers. Below is a list of the programs available and their prerequisites. On the next page the individual courses which make up the DCA programs are listed. Students must meet the prerequisites and have their own transportation to the DMACC Newton campus. Classes will meet either from 7:30-9:30AM or 1:15-3:15PM. ATTENDANCE IS VITAL for success at the academy and may be a criterion considered for pre-registration.

## **DMACC CAREER ACADEMY PROGRAMS**

<b>Program</b>	<b>Pre-Req A</b>	<b>Pre-Req B</b>
Automotive Collision	Power Tech	Auto Tech
Building Trades	Woods	One Industrial Tech Elective
Business Administration	Three Business Credits	
CNA/Adv. CNA (Nurse Aide)	Health	Applied Biology or Biology
Criminal Justice	Four Science Credits	Sociology or Psychology
Baking	Foods 1	Foods 2
Human Services	Four Science Credits	Sociology or Psychology
Health Occupations	Health	Applied Biology or Biology
Teacher Academy	Child Development	
Welding	Metals	



## REGISTERING FOR THE DMACC CAREER ACADEMY

The DMACC Career Academy provides an opportunity for NHS students to explore possible future avenues or to get a head start in the respective vocational field. Students registering for these programs will complete a separate registration form for DMACC and will request the program when registering for course requests with Newton High School. To request the program with NHS, students will use the numbers (**in bold**) in the below chart.

All year-long programs earn five HIGH SCHOOL credits (2.5 credits for semester -long CNA program) and multiple college credits as indicated below. Program descriptions are included in the appropriate curriculum section of this book.

<b>DMACC Career Academy Program</b>	<b>NHS Course Number</b>	<b>High School Course Credit</b>	<b>Total College Credit</b>
Auto Collision Year 1	<b>0001, 0002</b>	5	15
Auto Collision Year 2	<b>0011, 0012</b>	5	12
Building Trades Year 1	<b>0005, 0006</b>	5	12
Building Trades Year 2	<b>0015, 0016</b>	5	9
Business Administration	<b>0803, 0804</b>	5	17
C.N.A. Training	<b>0303 (S1), 0304 (S2)</b>	2.5	6
Criminal Justice	<b>0601, 0602</b>	5	16
Baking	<b>0401, 0402</b>	5	14
Health Occupations	<b>0301, 0302</b>	5	14
Human Services	<b>0322</b>	2.5	9
Teacher Academy	<b>0311, 0312</b>	5	8
Welding Year 1	<b>0101, 0102</b>	5	11
Welding Year 2	<b>0103, 0104</b>	5	9

# ART & COMMUNICATION CAREERS PATHWAYS

**Description:** The Art and Communication pathway will provide students with training and experience which will enable them to grasp the world of visual, performing, or electronic media art. A rigorous, standards-based curriculum will immerse students in their interests. The pathway will broaden the student's background guiding them to make informed choices as they move toward a decision to pursue higher education and/or future employment.

**Training:** Students may choose courses from three strands: Visual Arts, Publishing Arts, and Performing Arts. These strands provide pathways in fine arts, commercial art, creative publishing, journalistic publishing, music, speech, and theatre. Instruction will include current methods of technologies and internships. Job placement will be sought for focused students as well as those looking for a variety of experiences.

## **Occupations Examples:**

### **High School Diploma**

Announcer  
Audio-Visual Specialist  
Camera Operator  
Choreographer  
Comedian  
Craft Artist  
Darkroom Technician  
Floral Designer  
Musician  
Singer  
Web Designer

### **Post High School Training**

Actor  
Animator  
Artist  
Book Illustrator  
Broadcast Technician  
Communications Tech  
Computer Graphic Artist  
Costume Designer  
Disc Jockey  
Engraver  
Fashion Designer  
Film Processor  
Jeweler  
Make-Up Artist  
Multimedia Designer  
Photographer  
Printing Press Operator  
Production Assistant  
Recording Engineer  
Set Designer  
Sound Technician  
Textile Designer

### **Four or more years of College**

Architect  
Advertising Creator  
Art Dealer  
Art Director  
Broadcast Journalist  
Cinematographer  
Commercial Designer  
Composer  
Copywriter  
Editor  
Film Director/Producer  
Film Editor  
Graphic Designer  
Illustrator  
Industrial Designer  
Multimedia Specialist  
Music Critic  
Newspaper Editor  
Painter  
Art, Drama, or Music Teacher

## **Suggested Newton High School Coursework:**

**Art Courses:** Painting 1, \*Painting 2, Drawing 1, \*Drawing 2, Pottery 1, \*Pottery 2, \*Pottery 3, Mixed Media 1, \*Mixed Media 2, Jewelry 1/2, 3-D Art 1/2, Visual Art Design, Print Making

**Language Art Courses:** Intro to Journalism/Photojournalism, Newspaper, Yearbook, Theatre & Film Production, Advanced Speech and Communications, \*College Prep Comp, \*Humanities, Spanish I/II, Spanish III/IV, French I/II, \*French III/IV, \*World Lit 1650

**Instrumental:** Band, Music Theory, Jazz Techniques

**Vocal:** Chamber Choir, Treble Choir, Bass Chorale

**\*Denotes courses with college credit available.**

## BUSINESS CAREERS PATHWAYS

**Description:** The purpose of the Business pathway is to provide students with curriculum and instructional activities to all the students to preview careers in the fields of business and technology. Students will engage in a rigorous, standards based curriculum that is supplemented with classroom experiences specific to the Business pathway.

**Training:** Students will be able to choose from three business pathways: Finance, Marketing, and Information Processing. Each pathway may offer the opportunity for mentorship, job shadowing, internships, and industry specific certification.

### **Occupations Examples:**

#### **High School Diploma**

Account Collector  
Administrative Assistant  
Billing Clerk  
Bank Teller  
Bookkeeper  
Cashier  
Computer Operator  
Data Entry Operator  
File Clerk  
General Office Clerk  
Telemarketer

#### **Post High School Training**

Accounting Clerk  
Advertising Sales Agent  
Auditing Clerk  
Claims Adjuster  
Clerical Supervisor  
Court Reporter  
Credit Analyst  
Customer Service Rep  
Digital Marketing  
Hotel Manager  
Insurance Agent  
Loan Processor  
Legal Secretary  
Office Manager  
Paralegal  
Real Estate Agent  
Retail Buyer  
Sales Representative

#### **Four or more years of College**

Account Executive  
Accountant  
Actuary  
Advertising Manager  
Auditor  
Business Teacher  
Chief Executive Officer  
Computer Programmer  
Credit Manager  
Financial Planner  
Human Resources Manager  
Manufacturing Sales Rep  
Marketing Manager  
Market Research Analyst  
Operations Analyst  
Purchasing Agent  
Systems Analyst  
Tax Examiner  
Web Design Manager

### **Suggested Newton High School Coursework:**

**Business Courses:** Intro to Business, Keyboarding, \*Computer Applications, Personal Finance, Marketing, \*Accounting, Management, Business Law, \*Entrepreneur/DECA, Work Experience, Internships, \*FLEDGE Innovator

**DMACC Career Academy:** \*Business Administration

**\*Denotes courses with college credit available.**

## HEALTH CAREERS PATHWAYS

**Description:** The purpose of the health career pathway is to provide students with curriculum and instructional activities that allow students to preview the healthcare professions. Students will engage in a rigorous, standards-based curriculum that is supplemented with classroom and clinical experiences specific to the health career pathway.

**Training:** The health career pathway focuses on a combination of academic and clinical hands-on experiences to prepare the student for entry level positions in the healthcare profession. Students can obtain clinical experience in a job shadowing or extended laboratory setting.

### **Occupations Examples:**

#### **High School Diploma**

Dialysis Technician  
 EEG Technician  
 EKG Technician  
 Home Health Aide  
 Nurse Aide  
 Physical Therapy Aide

#### **Post High School Training**

Dental Hygienist  
 Dental Lab Tech  
 Funeral Director  
 Health Inspector  
 Massage Therapist  
 Medical Lab Tech  
 Pharmacist Assistant  
 Radiologic Tech  
 Respiratory Therapist  
 Sonographer  
 Surgical Technician  
 Volunteer Services Coordinator

#### **Four or more years of College**

Athletic Trainer  
 Child Psychologist  
 Clinical Psychologist  
 Dentist  
 Dietician  
 Geneticist  
 Health Administrator  
 Industrial Psychologist  
 Medical Examiner  
 Microbiologist  
 Nurse  
 Occupational Therapist  
 Optometrist  
 Pharmacist  
 Physical Therapist  
 Physician  
 Psychiatrist  
 Speech Pathologist  
 Veterinarian  
 Zoologist

### **Suggested Newton High School Coursework:**

Health, Biology I, AP Biology, Chemistry, AP Chemistry, Physics I/II, Athletic Strength and Conditioning, Advanced Athletic Strength and Conditioning, Child Development, Psychology, \*College Prep Psychology, Principles for Biomedical Science, Human Body Systems

**DMACC Courses:** \*CNA Training, \*Health Occupations

**\*Denotes courses with college credit available.**

## HUMAN SERVICES CAREERS PATHWAYS

**Description:** The Human Services pathway is divided into four separate areas of study. They are Government and Law, Education, Personal and Social Services, and Hospitality and Recreation. These four distinct areas make the Human Services pathways the broadest of the five at Newton High School. While studying in the Human Services pathways, students will be preparing for both post-secondary education and a broad career field.

**Training:** The diversity of careers within the Human Services pathway leads to a wide-range of training at Newton High School and beyond. We currently offer a work-study program that prepares students for work and then examines the student's performance on the job. A vocational program, HERO, currently exists which allows students to have hands on training in the field of education. As this program develops, opportunities in job-shadowing, mentorship, and internships will increase.

### **Occupations Examples:**

#### **High School Diploma**

Aerobics Instructor  
Armed Services Career  
Child Care Worker  
Dog Groomer  
Dry Cleaning Operator  
Fashion Consultant  
Home Health Aide  
Library Assistant  
Municipal Worker  
Personal Shopper  
Postal Service Worker  
Security Guard  
Utility Worker

#### **Post High School Training**

Baker  
Barber  
Cosmetologist  
Crime Lab Technician  
Custom Tailor  
Fashion Designer  
Firefighter  
Flight Attendant  
Funeral Director  
Health Inspector  
Immigration Officer  
Massage Therapist  
Personal Trainer  
Police Officer  
Real Estate Agent  
Skin Care Specialist  
Real Estate Agent  
Sous-Chef  
Teacher's Aide  
Volunteer Coordinator

#### **Four or more years of College**

Attorney  
City Manager  
Civil Engineer  
College Professor  
Criminologist  
Executive Chef  
Family Therapist  
FBI Agent  
Financial Planner  
Food Service Manager  
Insurance Agent  
Interior Designer  
Judge  
Librarian  
Military Officer  
Museum Curator  
Park Director  
Park Ranger  
Postmaster  
Recreational Therapist  
Religious Leader  
School Counselor  
School Psychologist  
School Superintendent  
Social Worker  
Teacher  
Urban Planner  
Warden  
Welfare Director

### **Suggested Newton High School Coursework:**

Career/Foods 9, Foods 1/2, The Sewing Connection, Project Runway 1/2, Project Runway: Fashion, Housing and Interior Design, Child Development, Parenting Skills, Sociology, Psychology, \*College Prep Psychology, Social Psychology, Adult Living, \*Early Childhood Occupations, \*ECO Work Experience, Public Speaking

**DMACC Career Academy:** \*Criminal Justice, \*Teacher Academy, \*Baking

**\*Denotes courses with college credit available.**

# SCIENCE, TECHNOLOGY, ENGINEERING, ART, AND MATHEMATICS CAREERS PATHWAYS

**Description:** The Engineering and Technology pathway is divided into three strands. Career pathways within these strands are grouped by the knowledge and skills required of the occupations related to each strand. Individual pathways include career instruction providing real life knowledge and experiences that will help you in determining possible career interests.

**Training:** Engineering and Technology education can be obtained in technical colleges and institutes, two-year colleges, and four-year colleges and universities. Academic foundations for engineering and technology are laid in high school and in course work as well as through participation in engineering and technology student organizations and student competitions.

## Occupations Examples:

### High School Diploma

Air Traffic Controller  
Brick Mason  
Carpenter  
Carpet Installer  
Delivery Truck Driver  
Drafter  
Dry Wall Installer  
Freight Handler  
Heating and Cooling Mechanic  
Iron Worker  
Locksmith  
Machine Operator  
Mechanic  
Quality Control Assistant  
Plumber  
Radon Tester  
Surveyor  
Tile Layer  
Welder

### Post High School Training

Ambulance Driver  
Auto Body Repairer  
Auto Mechanic  
Biomedical Engineering Technician  
Chemical Engineer Technician  
Computer Systems Analyst  
Diesel Mechanic  
Dispatcher  
Laser Technician  
Loading Inspector  
Mechanical Engineering Technician  
Merchant Marine Radio Operator  
Metal Engineering Technician  
Operations Manager  
Production Manager  
Radon Technician  
Railroad Technician

### Four or more years of College

Aeronautical Engineer  
Aerospace Engineer  
Agricultural Engineer  
Airline Pilot  
Airport Manager  
Architect  
Architectural Engineer  
Biomedical Engineer  
Chemical Engineer  
Civil Engineer  
Computer Forensic Investigator  
Computer Network Engineer  
Computer Programmer  
Computer Systems Analyst  
Database Administrator  
Data Modeler  
Electrical Engineer  
Environmental Engineer  
Flight Engineer  
Geospatial Engineer  
Health IT Specialist  
IT Consultant  
IT Manager  
Mechanical Engineer  
Mobile Application Developer  
Nuclear Engineer  
Software Engineer  
Transportation Engineer  
Web Developer

## Suggested Newton High School Coursework:

Intro to Woodworking, Materials and Processing, Engineering Drafting 1 & 2, Architectural Drafting, Metals, Advanced Metals, Power Technology, Auto Upkeep, Automotive Technology, Home Repair, General Woodworking, Advanced Woodworking, Pre-Calculus, \*AP Calculus, Drawing 1, \*Drawing 2, Chemistry, AP Chemistry, Physics I/II

**DMACC ACADEMY:** \*Welding, \*Auto Collision, \*Building Trades

\*Denotes courses with college credit available.

# Building Your Future

ISU

UI

UNI

## Preparing for Academic Success at Iowa's Regent Universities

Building your future is like building a house. Not somebody else's house, your own. You need to both envision your dream house and create blueprints for building it.

High school is a time of choices. In fact, **some of the most important choices you'll make in life are happening right now** as you sign up for your high school courses.

### TAKE THE CHALLENGE

Be ambitious in your planning. **Prepare yourself not only to survive in college but to thrive. The best preparation for college is to take not the minimum courses but the optimum courses.** The experience of all three State universities points to one definite conclusion: students who succeed best in college are those who build the best foundation in high school. Even if you're not currently considering attending college, you will still benefit from these strong foundations since all jobs require a much stronger academic preparation than they did a few years ago.

### DRAFT YOUR BLUEPRINT

1. **Lay your foundation carefully and wisely.** It's tempting to choose a course in which you know you could get a good grade, rather than one that might be difficult for you. But a challenging course will help you when you get to college. During high school you need to develop strong skills in reading, writing, speaking, listening, and reasoning. Courses that will help you do so are English/language arts, mathematics, sciences with laboratory experience, social studies, and foreign language. Your counselor can help you make the right choices. **Taking an ambitious course load in high school means you'll be starting college with an advantage.**
2. **Learning to love learning.** Every class you take is an opportunity to find something you care about, explore your intellectual horizons, and pursue your interests. **View each class as an opportunity and a challenge.**
3. **Develop a framework of study and work habits.** Practice study strategies that have been shown to work in college: listening and note-taking skills, distributing study time rather than cramming, revisiting, revising, and reflecting. Make every effort to understand the concepts, theories, philosophies, and relationships you're learning. **Students who come to college with proven work and study patterns have a great advantage over students who need to establish them while they're coping with all the new experiences of being a college freshman.**
4. **Experience and explore.** While you are in high school, consider taking courses that will allow you to explore a future career, cultivate a talent in the performing or visual arts, or teach you about a scientific field you've known nothing about until now. Participate in extracurricular activities. These initiatives are valued in college because they broaden your horizons, enhance your total educational experience, and increase your interaction with other people. Combined with a strong academic program, these activities should make you a confident and successful college student. **Taking full advantage of your senior year is a key to both meeting the requirements for admission and taking advantage of courses and experiences that allow you to explore your interests and develop your talents.**

### FOR MORE INFORMATION

Office of Admissions  
**Iowa State University**  
100 Enrollment Services Center  
Ames, IA 50011-2011  
1-515-294-5836  
Toll free 1-800-262-3810  
[www.iastate.edu](http://www.iastate.edu)  
[admissions@iastate.edu](mailto:admissions@iastate.edu)

Office of Admissions  
**The University of Iowa**  
107 Calvin Hall  
Iowa City, IA 52242-1396  
1-319-335-3847  
Toll free 1-800-553-4692  
[www.uiowa.edu](http://www.uiowa.edu)  
[admissions@uiowa.edu](mailto:admissions@uiowa.edu)

Office of Admissions  
**University of Northern Iowa**  
002 Gilchrist Hall  
Cedar Falls, IA 50614-0018  
1-319-273-2281  
Toll free 1-800-772-2037  
[www.uni.edu](http://www.uni.edu)  
[admissions@uni.edu](mailto:admissions@uni.edu)

# Building Your Future: Preparing for Academic Success at Iowa's Regent Universities

<i>Minimum Requirements for Admission</i>				
	<b>Iowa State University</b>	<b>The University of Iowa</b>	<b>University of Northern Iowa</b>	<i>Optimum</i> <b>Recommendations for Success</b>
<b>FOREIGN LANGUAGE</b>	Two years of a single foreign language for admission to the <b>College of Liberal Arts and Sciences</b> . • Foreign language courses are not required for admission to the <b>Colleges of Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences</b> .	Two years of a single foreign language.	Foreign language courses are not required for admission. However, two years of foreign language in high school with a C- or above in the last term will meet the University graduation requirement.	Four years of a single foreign language. By taking foreign language during all four years of high school, you'll go beyond the basic skills and begin to use the language and reinforce your fluency.
<b>ENGLISH / LANGUAGE ARTS</b>	Four years of English/language arts emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	Four years, with an emphasis on the analysis and interpretation of literature, composition, and speech.	Four years, including one year of composition; also may include one year of speech, communication, or journalism.	Four years of English courses with an emphasis on the communication skills of writing, reading, speaking, and listening and the analysis and interpretation of literature. In addition, courses such as journalism and media literacy will be valuable. Extracurricular activities such as debate, speech contest, newspaper, and yearbook will further develop essential competencies.
<b>MATH</b>	Three years, including one year each of algebra, geometry, and advanced algebra.	Three years, including two years of algebra and one year of geometry, for admission to the <b>College of Liberal Arts and Sciences</b> . • Four years, including two years of algebra, one year of geometry, and one year of higher mathematics (trigonometry, analysis, or calculus), for admission to the <b>College of Engineering</b> .	Three years, including equivalent of algebra, geometry, and advanced algebra.	Four years, one in every year of high school. While advanced courses like calculus and statistics are good, it's more important that you gain a complete understanding of advanced algebra and trigonometry.
<b>NATURAL SCIENCE</b>	Three years, including one year each from any two of the following: biology, chemistry and physics.	Three years, including one year each from any two of the following: biology, chemistry, and physics for admission to the <b>College of Liberal Arts and Sciences</b> . • Three years, including at least one year of Chemistry and one year of physics, for admission to the <b>College of Engineering</b> .	Three years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.	Four years, one in each year of high school. To be really well prepared for college, take at least one year each of biology, chemistry, and physics. These can be taken in any order and may be taught productively in either a separate or integrated fashion, depending on your school's offerings.
<b>SOCIAL STUDIES</b>	Two years for admission to the <b>Colleges of Agriculture, Business, Design, Education, Engineering, and Family and Consumer Sciences</b> . • Three years for admission to the <b>College of Liberal Arts and Sciences</b> .	Three years, with U.S. history and world history recommended, for admission to the <b>College of Liberal Arts and Sciences</b> . • Two years, with U.S. and world history recommended, for admission to the <b>College of Engineering</b> .	Three years, including courses in anthropology, economics, geography, government, history, psychology or sociology.	Three years is essential, but four is better. Take at least one year of U.S. history and one year of world history. Additional courses in history are recommended, if available. Beyond that, courses such as economics, political science, psychology, sociology, and anthropology provide an important understanding of our political, social, and economic institutions.
<b>OTHER COURSES</b>	Specific elective courses are not required for admission to Iowa State University.	Specific elective courses are not required for admission to The University of Iowa.	Two years of additional courses from the required subject areas, foreign languages, or fine arts.	Explore! Courses in fine arts, performing arts, computers, or technology will help round out your high school experience. Perhaps your future field of concentration or career will lie in one of those areas. Follow your interests, your talents, and the strengths of your school. And choose courses with high academic standards.



## **Scheduling Guidelines**

### ***How does the scheduling process work?***

You will start by having the opportunity to hear about the course options available to you. Teachers and counselors will give you information about courses and help you update your four year academic plan on Infinite Campus. They will help you make choices but you also should talk to parents, look at college admission requirements, and research career choices to better map your course choices. Incoming freshmen will also have a chance to learn more about courses during 8<sup>th</sup> Grade Night. The more information you have, the better the decision you can make. Here's an outline of what happens:

February	Receive Academic Planning Handbook, attend course information session, talk to counselor, input course selections into Academic Planner (four year plan) in Infinite Campus.
March	Administrators, counselors, and teacher work to create master schedule based on student course requests.
April	Counselors will meet with students to resolve scheduling conflict if necessary.
May	Schedule will be made available.
August	Deadline for requesting first semester schedule changes, register for school, pay fees, and receive final schedule.
December	Deadline for requesting second semester schedule changes.

### ***I have a special need for my program of studies. What can I do?***

You might be in a situation where you can't get all of the courses you need, where you want to study a course not offered in our curriculum, where you would like to take a college course along with your high school classes or where you need to make up a credit from a past year and just don't have room in your schedule. A number of options are available to help meet your needs. Your counselors can help you. They have more specific guidelines and requirements for each program. Some of the possibilities include:

**Independent Study** Allows you to explore a subject or area of interest in depth under the direction of a faculty member or a department. Occasionally some teachers allow independent study to avoid scheduling conflicts.

**Homebound Instruction** Home/hospital instruction may be provided when a licensed physician certifies that you must be out of school for an extended period of time for medical reasons. Your parents should notify a counselor immediately if you are hospitalized or homebound.

**Correspondence Courses** A number of colleges have programs that offer high school level courses that are approved for credit and that may be taken by mail or by minimal attendance. Correspondence courses are approved most frequently when a student needs a non-required course to meet graduation requirements.

**West Academy Alternative High School** West Academy is an alternative high school for students of Jasper County. Students at risk of dropping out or those behind in credits may be considered for a shared program of courses at NHS and at West Academy. In order to enroll at West Academy, students must have completed two semesters of high school or reached the age of 16. West Academy classes may not be used to accelerate the date of graduation. Students who attend West Academy may qualify for either a West Academy diploma or a Newton High School diploma, students must attend their final semester at Newton High School to qualify for an NHS diploma. See Graduation Requirements (Board Policy 605.4) on page 5.

**College Classes** Juniors, seniors, and students identified as talented and gifted may take select courses at Newton DMACC, any community college, or most four-year colleges in Iowa and receive both high school and college credit for them. On-Campus or online DMACC Classes or PSEO courses shall be part of a student's cumulative GPA and will be reported in the term that it is completed. In addition, up to \$250 of the tuition and fees for the courses will be paid for by the Newton Community School District if the course is taken during the school year, if the course is not comparable to one already offered at NHS, and if your college course load does not exceed the number of credits for a full time student. Senior students must be enrolled in a minimum of four semester credits offered in the NHS Academic Planning Handbook. Summer classes are also an option, but at your own expense. Adult education classes are not included. See your counselor for additional details under the Postsecondary Enrollment Options Act. (Board Policy 602.16)

**DMACC Career Academy** Juniors and seniors may enroll in the DMACC Career Academy (see page 7). The academy includes programs which require a full-year commitment from students and may earn for the student up to 20 credits in a particular vocational program. DMACC Career Academy classes shall be part of the student's overall GPA and will be reported in the term that it is completed. Student eligibility for the academy is indicated in the following section.

Students must demonstrate through IA Assessment test scores proficiency in math, reading, and/or science or be deemed proficient through an alternative assessment before enrolling in the career academy. The alternative assessment process will consist of three components:

1. Academic Standing: All eligible students must be in good academic standing as determined by the home district and building principal.
2. Graduation Progress: All eligible students must be on pace to graduate with class, as determined by home district and building principal.
3. Recommendation: All eligible students must be recommended by building principal.

Any student not meeting proficiency requirements through IA Assessment scores in math, reading, and/or science but who meets both academic standards outlined in (1) and (2) above, and who is recommended by the building principal, will be allowed to enroll in the Career Academy and/or concurrent classes.

**Summer Policy** Newton Senior High School recognizes students may seek credit through online programs during the summer. Students seeking to earn credit due to deficiency in graduation credit or to enrich their studies will be acknowledged for their efforts. Online summer coursework will be honored if it meets one of the two criteria below:

1. The course is a previously failed course.
2. The course is a course not offered by Newton Senior High School.

Students will seek approval for coursework prior to enrollment.

### ***May I change my schedule?***

The answer to that question depends most upon when you ask and the reason you are asking. With parent, counselor and sometimes teacher permission you can make almost any course change through early May. Until this time, the actual schedule of teachers and periods hasn't been finalized. When that actual schedule is determined, changes will be harder and more complicated to make. If you would like a change for first semester, you must make your request to your counselor or the principal prior to classes commencing. Changes for second semester have an early January deadline. Changing to a different teacher will be permitted only if classes would become better balanced (you are moving from a larger class to a smaller class in all cases).

### ***Some approved reasons for changing a schedule include:***

- Special Education program change
- Making up failed classes
- Computer errors
- Changes in career or college plans
- Adding a class to an open Block or Half Block
- Changing to a more appropriate level of a Math, English or Science course
- Unique situations that jeopardize your graduation
- Taking classes at other colleges or schools at the same time

### ***May I repeat a class that I've already taken?***

You may repeat a course which you have taken in order to improve your skills or knowledge. A course in which you received a failing grade may be retaken at any time. A course in which you received a passing grade may be repeated by the end of the next school year. Only three courses in which a passing grade was earned may be repeated. When a course which you passed is repeated, both grades will appear on your transcript; however, only the repeat grade will be used in grade point average calculations, and no duplicate credit will be awarded. No previously earned credit will be taken away as a result of failing a repeated course. (Board Policy 605.1)

***May I just drop an extra class?***

Yes and no. You were expected to put a lot of thought and preparation in selecting your courses and the school did the same in developing the master schedule of classes. Your choices determined the master schedule and in some cases determined other students might not get the combination of classes they requested. After the change deadlines, you must honestly try each of your BLOCK classes for at least three weeks and your HALF BLOCK classes for at least six weeks. If you still want to drop the class at the end of that time, if the course is not required for graduation, and if your parents agree, you may do so and be assigned a study hall without receiving an "F" grade. The three- and six-week drop policy gives you a no risk opportunity to try an extra class. To drop a class, you must complete a drop form available in the counseling office. If you drop the class or are dropped from a class before or after those times, you will receive an "F" grade and be assigned to a study hall.

***What is the minimum credit load? May I have study hall time?***

The minimum credit load is 7 credits per semester and 3 contact blocks per term for Grades 9-11, and 5 credits per semester and 2 contact blocks per term for Grade 12. (A lesser load requirement of 4 credits per semester will be allowed for students in Early Childhood Occupations to compensate for the discrepancy between job site contact time and credits.) A student must average 6.5 credits per semester in order to earn the required 52 credits in 4 years. During non-class time, you will be assigned to a study hall. Study hall time may be spent using the Library Media Center, meeting with teachers and counselors, taking music lessons, participating in a support group, or volunteering to work in school offices as well as for completing class work. Study hall time can be valuable, especially for students involved in activities, work, or taking a class with a lot of homework. Freshmen, sophomores, and juniors must also stay at school during the lunch period.

***May I take a class for no credit?***

Taking a class for no credit is called auditing. The course will be listed on your transcript with an "AU" grade, and you will not receive credit towards graduation or points toward your grade point average. If you audit a class, you will be expected to attend regularly, do all of the work and take all of the tests just as if you were taking the class for credit. Any non-required class may be taken on audit basis if seats are available, your credit load remains at 6 credits or more for that semester and you request audit status during the first ten school days of the class. Failure to fulfill these conditions could lead to a failing grade in the course.

***Do Seniors have special privileges?***

You earn the senior privilege of open campus based upon your previous attendance and academic performance. The minimum expectation is passing all of your classes and having fewer than 12 absences during the second semester of your junior year. Your open campus privilege will continue so long as you attend classes regularly, maintain passing grades, and behave appropriately. Seniors who have not earned open campus privileges or who lose them once earned will be reassigned to a study hall for each open period of the school day.

***May I graduate early?***

Yes, you may if it is really necessary. We think a full four-year program is best, but if you meet all the credit requirements, have a good reason, and parent permission you may graduate up to one year early. You must apply in advance of your normal graduation date. Your counselor has the required application forms. Early graduates may participate in graduation exercises. (Board policy 605.5)

***Where can I get a transcript?***

Transcripts are copies of official school academic records that are frequently requested by colleges, scholarship committees and employers to document a student's performance. The high school registrar will prepare and mail transcripts for you upon request. The first application/transcript will be mailed free of charge. Each additional transcript will cost you \$1.00. The high school registrar keeps track of the number and destination of each transcript mailed.

## **Grade Reporting Procedures**

### ***How do I know what is expected?***

On the first day of class you will receive a first-day handout from each of your teachers outlining what you can expect from the class. The handout will include the minimum course requirements which you must meet to earn credit in the course. Most of the teachers of the same course will use the same requirements. When you read the handout, you should be able to find:

- The number and types of major projects
- The number of major tests
- The kinds of activities in which you will be expected to actively participate
- The amount and type of homework expected
- The grading practices for homework, projects, class participation and tests
- How your term grades will be determined
- Any additional materials which you will need for the class
- The availability of extra help

### ***When are Report Cards Issued?***

You will receive a report card four times a year at the end of each term (quarter). The report card will list all of the year's courses in which you are enrolled, much like a transcript. The courses which you have taken or are currently taking will have grades recorded. You will earn credit for block courses at the end of each term and half block courses at the end of each semester (Term 2 and Term 4). As a result, your Term 1 and Term 3 report cards may include some final and some midcourse grades. Your Term 2 and Term 4 Report Cards will only include final grades.

### ***What about Mid-Term Progress Reports and Parent-Teacher Conferences?***

Mid-term progress reports will be issued approximately halfway through each term. You will be given a progress report from each class, and then be expected to take one copy to your parent or guardian and freshmen will be expected to return a signed copy to their respective teachers. If your progress in the class changes significantly, other progress reports may be issued by teachers or requested by you or your parents. The mid-term progress reports will become especially important in a block schedule because Term grades are final for block courses and become part of your record. Mid-term progress report grades do not become part of your permanent record.

Parent-Teacher conferences will be scheduled once each term. Additional conferences may always be arranged by contacting the teacher or counselor.

### ***What letter grades are used? What else will be on my Report Card?***

The following letter grades are used in the reporting system:

#### *Used in calculating Grade Point Averages*

A	Excellent	B	Very Good	C	Average
D	Passing	F	Failing, No Credit		

#### *Not used in calculating Grade Point Averages*

EX	Excused, No Credit	AU	Audit, No Credit	W	Withdrawn
P	Passing, Credit	NC	Not Passing, No Credit	CR	Credit
I	Incomplete				

Your report cards will also include comments regarding your performance, class and school absences, term and cumulative grade point averages, and current class rank. Only your final term grades and absences become part of your permanent record. Your class rank and cumulative grade point average will be recalculated at the end of each term.

### ***How is my Grade Point Average figured?***

Your grade point average is one of your most important records maintained at NHS. Your cumulative GPA also determines your class rank which is recalculated at the end of each term using all of the courses which you have completed. Grades are awarded mark points: an A is worth four mark points, a B is worth three mark points, a C is worth two, a D is worth one and an F is worth none. Plus and minus grades do not change the number of mark points associated with the letter grade. Each course carries a certain amount of potential credits. Most classes are either one or two credits depending upon the number of hours of class time. Grade points are determined by multiplying the number of potential credits in the course times the mark points. Your grade point average is determined by adding the total grade points and dividing by the total potential credits. Your potential credits become earned credits and count toward graduation when you successfully complete the course. Here is an example of a student's first semester grades showing both block and half block courses:

#### ***First Semester Grade Reporting for Buzz Abernathy***

Sched Type Course	Term 1				Term 2				Semester Summary		
	Grade	Potential Points	Potential Credits	Earned Credits	Grade	Potential Points	Potential Credits	Earned Credits	Grade Points	Potential Credits	Earned Credits
HB2 English I	<b>B</b>	3	1	na	<b>C+</b>	2	1	1	2	1	1
B2 Algebra I	<b>A-</b>	4	1	1	<b>B-</b>	3	1	1	7	2	2
B1 PE 9-10					<b>A</b>	4	1	1	4	1	1
B2 Biology	<b>B+</b>	3	1	1	<b>A-</b>	4	1	1	7	2	2
HB2 Band	<b>C</b>	2	1	na	<b>B</b>	3	1	1	3	1	1
Totals		<u>12</u>	<u>4</u>	<u>2</u>		<u>16</u>	<u>5</u>	<u>5</u>	<u>23</u>	<u>7</u>	<u>7</u>
GPA = 3.000 (12 / 4)				GPA = 3.200 (16 / 5)				GPA = 3.280 (23 / 7)			

Grades Used For: Honor Rolls  
Eligibility  
Senior Privileges

Honor Rolls  
Eligibility  
Senior Privileges

Academic Letters  
Academic Improvement

Notice that the grades for the block classes earn credits each term, but those for the half block classes (English I and Band in the example) earn credit only at the end of Term 2. Buzz is taking 7 credits this semester, and all of those credits are used in determining such awards as Academic Letters. His cumulative grade point average and class rank (not shown) are recalculated at the end of both Term 1 and Term 2. Only Final Grades are used in determining Cumulative Grade Point Average and Class Rank.



### ***What recognition is available to students based upon their good grades?***

**Honor Rolls** are determined at the end of each term using all of the grades for that term. To be on the Honor Roll, you must be taking the minimum number of credits with no "I" or "F" grades. The 'A' Honor Roll recognizes students with a G.P.A. of 3.667 or higher and the 'B' Honor Roll recognizes students with a G.P.A. of at least 3.000 but less than 3.667. If you make the Honor Roll, you will have your name posted at school and published in the *Newton Daily News*.

**Academic Letters** are awarded to students who consistently demonstrate high academic achievement in the regular education curriculum. To qualify for an Academic Letter, you must earn a minimum semester grade point average of 3.333 for two consecutive semesters. During each of those semesters, you must carry the minimum academic load at Newton Senior High School. Upon initial qualification, an Academic Letter is awarded during Advisor/Advisee room. For each following semester in which you earn a 3.333 GPA, you will receive a gold lamp to place on your letter. If you fall below a 3.333 grade point average for a semester, you may requalify by achieving that grade point for two consecutive semesters.

**Academic Achievement Pins** are presented to students who improve their semester grade point average by at least .25 over the previous semester. This is an incentive for improvement and does not require a minimum grade point average to qualify. Students receiving Academic Letters are not eligible for Academic Achievement Pins.

**National Honor Society** ranks as one of the oldest and most prestigious national organizations for high school students. The purpose of this organization is to recognize enthusiasm for scholarship, service, leadership, and character. Student membership in the National Honor Society is based on achieving recognition in these four distinguishing traits. Membership is further restricted to students in the junior and senior classes who have cumulative scholastic grade averages of at least 3.667.

The faculty receives a list of those juniors and seniors with the 3.667 grade point average and helps determine whether a student is in good standing. If so, the student is requested to submit a summary of all activities, service projects, and volunteer work that he/she has been involved in during his/her high school years. Meeting that criteria then determines who is invited into the National Honor Society.

An induction ceremony is held in the spring to recognize new members and their parents and to present the National Honor Society pins. This reception is planned and conducted by seniors who were inducted into the National Honor Society when they were juniors.

**Commencement Honors** are determined by students' cumulative grade point average **at the end of Term 3** of the school year of graduation. Only final grades count towards the cumulative GPA. Seniors in regular education courses who have a cumulative GPA of 3.000 - 3.666 will graduate with "Honors", those with a GPA of 3.667 - 3.899 with "High Honors" and those with a GPA of 3.900 - 4.000 with "Highest Honors". The student or students with the highest-grade point average will be designated Valedictorian. If there is only one Valedictorian, the student or students with the next highest GPA will be designated as Salutatorian. The Valedictorian and Salutatorian awards are based upon grades earned through all semesters of attendance.



## Extracurricular Activities

Participation in extracurricular activities helps you develop leadership qualities, make new friends, learn leisure time activities, pursue special interests, and just have fun.

You are encouraged to participate in one or more of the activities. However, since the primary purpose of high school is to promote scholastic achievement, you should select activities wisely and budget your time effectively. There are activities that provide for (1) an extension of interests aroused in the classroom, (2) an opportunity to develop special interests and abilities, and (3) social and service activities in the school and community.

In order to be eligible for athletics and/or public appearing events, you must have passed all credited subjects the previous term. Any loss of eligibility will be reviewed at any time after four weeks to determine the status for the balance of the term. If you participate in athletics, you must have an annual physical examination and be covered by health and accident insurance (see the Student Handbook for additional information). Some of the possible activities are:

### **Activities/Clubs**

Activism Club  
All State Music  
Art Club  
Battle of the Books  
Book Club  
Chess & Chocolate Milk  
Democracy Club  
Dungeons & Dragons  
Empower Tanzania Club  
FCA (Fellowship of Christian Athletes)  
FFA (Future Farmer of America)  
GSA (Gender Sexuality Alliance)  
International Club  
IT Club (Newbotics)  
Jazz Choir  
Jazz Ensemble  
Jazz Lab  
Key Club  
Mat Maids  
Math Club  
Model UN  
P7 Bible Club  
Pacesetters  
Plays and Musicals  
Quiz Bowl  
Rugby  
Silver Cord  
Spanish Club  
Special Olympics  
Speech and Drama Contests  
Chamber Choir  
State Contests  
SAAC (Student Athletic Advisory Council)  
Student Council  
Thespians (Drama Club)  
Trap Team  
Travel Club

### **Athletics**

Boys' Baseball  
Boys' Basketball  
Boys' Bowling  
Boys' Cross Country  
Boys' Golf  
Boys' Soccer  
Boys' Swimming  
Boys' Tennis  
Boys' Track  
Cheerleading  
Football  
Girls' Basketball  
Girls' Bowling  
Girls' Cross Country  
Girls' Golf  
Girls' Soccer  
Girls' Softball  
Girls' Swimming  
Girls' Tennis  
Girls' Track  
Girls' Volleyball  
Wrestling

### **Class-Related**

A Cappella Choir  
Cardinal Chorale  
Stage Crew  
Colorguard  
Concert Choir  
DECA  
FCCLA/HERO  
Marching Band  
*Newtonia*  
Symphonic Band  
Wind Ensemble

### **Honorary Organizations**

International Thespian Society  
National Honor Society  
Quill and Scroll

## AGRICULTURE SCIENCE, TECHNOLOGY, AND MARKETING

Do You...

- Like planning and directing projects?
- Have an interest in working with animals or plants?
- Enjoy doing engineering or mechanical tasks?
- Enjoy working outdoors and studying environmental issues?
- Enjoy leadership activities?
- Love to travel?
- Want to make \$\$\$?
- Want to meet new people with similar interests?

If so, you owe it to yourself to consider all of the career opportunities in the field of agriculture. There are more than 300 career paths that deal with the production, marketing, processing, and development of the nation's food supply and the care of its natural resources. Over **20 percent** of Iowa's jobs are directly related to the agriculture industry.

The Agricultural Education program is much more than a class. The agricultural education program consists of three parts: classroom, SAE, and FFA. Classroom instruction gives students the knowledge and skills they need for success in today's world, and students get a chance to practice and apply this knowledge and skills in their Supervised Agricultural Experience Projects (SAE) and through the National FFA Organization.

### **Supervised Agricultural Experience (SAE)**

An SAE project is any experience outside of regularly scheduled class time in which the student gains new skills in agriculture. Students could hold an ag-related job, job shadow an ag professional, or own any agribusiness enterprise such as an animal or plant project or agriculture service business. Examples of common SAE programs include: raising animals, working at an agribusiness, taking photographs, growing and exhibiting flowers and vegetables, raising crops, trapping and hunting, mowing lawns, starting a small business, or completing an ag mechanics project. SAE project work makes up a small portion of the student's grade in the course.

### **Future Farmers of America (FFA)**

FFA is an intracurricular organization for students enrolled in agricultural education courses. The Newton FFA Chapter offers a multitude of opportunities to get involved in leadership projects, community service, recreation, competitive events, scholarships, and skills development. Activities and competitions will allow students to put their learning into practice on a local, state, and national level.

*Articulated Courses: Agricultural Science I, II, and III. See Page 8 for additional information.*

## **Agricultural Science, Technology, & Marketing Courses**

Agricultural Science I

Introduction to Horticulture

Agricultural Science II

Advanced Horticulture

Agricultural Science III

Agricultural Sales &  
Marketing

Agricultural Science IV

Survey of the Animal  
Industry



**Agricultural Science I** (7011, 7012)

Two Credits, Half Block

Grades 9, 10, 11, 12

Animal science is the primary focus of Ag I. Students will study the beef, swine, sheep, horse, dairy, and poultry industries. Livestock nutrition, reproduction, and evaluation will also be covered. The FFA and Supervised Agricultural Experience (SAE) components will be introduced. Students also develop leadership and communication skills through FFA activities. Leadership, cooperation, respect, maturity, and responsibility are emphasized. Students will learn basic hand and power tool safety in the agricultural setting.

**Agricultural Science II** (7021, 7022)

Two Credits, Half Block

Grades 10, 11, 12

Crop production and animal science are the cornerstones for this course. Iowa's chief crops of corn, soybeans, and forages are covered. Crop production practices and grazing management are examined. Plant genetics and forestry round out the plant study. Units on animal care practices, equipment repair, and meat science help complement student livestock knowledge. Parliamentary procedure, FFA and SAE are also included.

**Agricultural Science III** (7031, 7032)

Two Credits, Half Block

Grades 11, 12

Agricultural business management and natural resource management are the areas of primary study in Ag Science III. Recordkeeping, ag economics, insurance, and ag law units will prepare students for agricultural careers. Animal science units will consist of dairy products and small animal care. Natural resource topics will include soil science and the importance of hunting and trapping as a wildlife management tool. In the shop, students will study electrical wiring and machinery management. Advanced leadership studies, FFA activities, and SAE work will round out this course.

**Agricultural Science IV** (7042)

One Credit, Half Block

Grade 12

Advanced agricultural management practices, career planning, and current issues in agriculture are main areas of study in Ag Science IV. Students will explore ag career and college options. Agricultural entrepreneurship is also stressed. Weed control and crop chemicals are examined in plant science. Units on sustainable agriculture, livestock facilities, biotechnology, and GPS help introduce students to recent advances in agriculture. As part of a natural resources unit, students will study sport fishing, aquaculture, and invasive species. Mechanical units will include concrete, plumbing, and fencing. Time will also be spent on preparing for advanced FFA degrees, offices, and awards.

**Survey of Animal Industry** ( 7040 )

One Credit, Half Block

Grade 12

This course is an analysis of the livestock industry with emphasis on reproduction, inheritance, performance testing, selection and marketing. The purpose of this course is to understand not only the ways by which animals serve humanity, but appreciate the ways in which human caretakers manage and serve animals via selection, nutrition and management. **Offered for college credit DMACC AGS113 (3 credits)**

**Introduction to Horticulture** ( 7051 )

One Credit, Half Block

Grades 10, 11, 12

This course introduces students to basic horticulture. Course includes plant anatomy and physiology, plant classification and identification, and basic plant care. **Offered for college credit DMACC AGH106 (3 credits)**

**Advanced Horticulture** (7052)

One Credit, Half Block

Grades 10, 11, 12

This course is designed for students that have completed Introduction to Horticulture (AGH106). Horticulture is designed to introduce students to the huge career area of horticulture. Students will learn how to take care of the trees, gardens, and lawns at home. Instruction will be given in basic plant science, environmental factors, plant nutrients, propagation, and pest management. Greenhouse production, gardening, fruit production, turf grass care, landscaping, and floral design will also be covered. Students will learn in the classroom, greenhouse, and in outdoor settings on campus and in the community. Class activities will help prepare students for state FFA competitions.

**Agricultural Sales & Marketing** (7053)

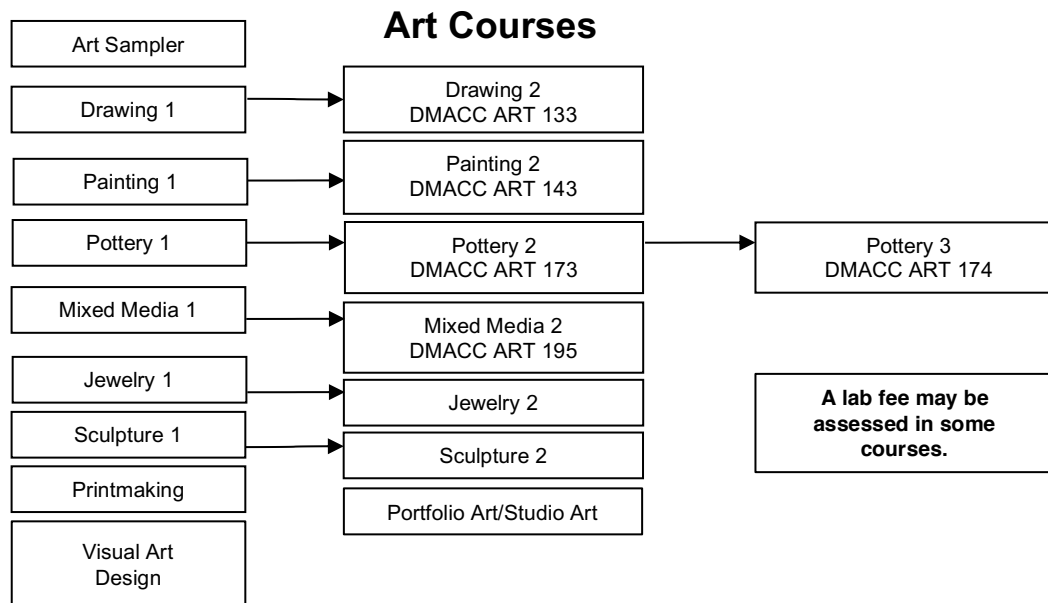
One Credit, Half Block

Grades 11, 12

Agricultural Sales & Marketing is a spring course designed for upper level students interested in the many career opportunities in the largest occupational area of the agricultural industry. This course concentrates on developing skills and knowledge in agricultural sales techniques, advertising, interviewing, human relations, marketing plans, and customer relations. Business plans will also be analyzed and commodity marketing will be examined. Students will use the skills learned to implement FFA chapter events and activities.

# ART

Courses in the Art Department are designed to empower you to use technical and creative skills and to make informed personal choices in the process of making works of art. You will learn to expand your creative thinking skills while exploring various mediums such as pencil, marker, paint, chalk, clay, metal, dye, glass, and even found objects. You will learn a variety of techniques for using and combining these mediums. And note that most courses have a second or third level, many of which are offered for concurrent credit (high school and DMACC credit at the same time).



## **Art Sampler** (1500)

One Credit, Half Block

Grades 9,10, 11, 12

An appetizer of all art courses that we offer at NHS. You will sample a little of each class; drawing, painting, pottery, jewelry, sculpture, mixed media, printmaking, and visual art design. Take this course first to see what interests you.

## **Drawing 1** (1010)

One Credit, Block

Grades 9, 10, 11, 12

Learn beginning drawing skills (drawing from life, portraits, perspective, etc.) and how to use materials including; pencil, colored pencil, and charcoal. Students will also view and discuss other's work

## **Drawing 2** (1020)

One Credit, Block

Grades 9, 10, 11, 12

*Prerequisite: Drawing 1*

You will use skills learned in Drawing 1 to create more advanced artwork. You will create drawings on a more personal level and explore a variety of materials. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit. DMACC Course ART 133 (3 credits)**

## **Painting 1** (1070)

One Credit, Block

Grades 9, 10, 11, 12

Learn beginning painting techniques and how to use materials including; watercolor and acrylics. Students will paint from life, photos, their imagination, and stories.

## **Painting 2** (1080)

One Credit, Block

Grades 9, 10, 11, 12

*Prerequisite: Painting 1*

You will use skills learned in Painting 1 to create more advanced artwork. You will have the opportunity to paint a variety of subject matters and experience more personal input and choices in your work. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit. DMACC Course ART 143 (3 credits)**

**Mixed Media 1** (1030) One Credit, Block Grades 9, 10, 11, 12  
You will make a variety of projects which may include fabric dyes, paper-making, bookmaking, printing, collage, sculpture, weaving and glass art. We will explore materials throughout the course to create original designs.

**Mixed Media 2** (1040) One Credit, Block Grades 9, 10, 11, 12  
*Prerequisite: Mixed Media 1*

You will use skills learned in Mixed Media 1 to create more advanced artwork and explore new techniques, materials, and processes. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit. DMACC Course ART 195 (3 credits)**

**Pottery 1** (1050) One Credit, Block Grades 9, 10, 11, 12  
Learn beginning pottery skills including; pinch, coil, slab, and wheel throwing. Students will learn various ways to decorate with glazes and other materials.

**Pottery 2** (1060) One Credit, Block Grades 9, 10, 11, 12  
*Prerequisite: Pottery 1*  
You will use the skills learned in Pottery 1 to make a variety of new pieces. Work will be both hand-built and wheel-thrown. You will explore new decorating techniques and glazes. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit. DMACC Course ART 173 (3 credits)**

**Pottery 3** (1065) One Credit, Block Grades 9, 10, 11, 12  
*Prerequisite: Pottery 2*  
You will refine your pottery-making skills both on the wheel and in making hand-built pottery. You will be challenged to design and create using your advanced pottery skills with the opportunity to use new techniques and specialized glazes and firing techniques. Students must be able to work independently in this and other upper level classes. **This course is offered for concurrent credit. DMACC Course ART 174 (3 credits)**

**Sculpture 1** (1110) One Credit, Block Grades 9, 10, 11, 12  
Learn beginning sculpture techniques including; subtractive (carving), additive (modeling), and assemblage techniques with one or more materials. Students may use clay, plaster, wood, found objects, cardboard, and various other materials.

**Sculpture 2** (1120) One Credit, Block Grades 9, 10, 11, 12  
*Prerequisite: Sculpture 1*  
Building on the skills of Sculpture 1 you will develop a more personal expression through the use of a variety of materials. Students must be able to work independently in this and other upper level classes.

**Jewelry 1** (1090) One Credit, Block Grades 9, 10, 11, 12  
Learn basic jewelry making skills including; designing, metal cutting, enameling, soldering, and metal forming.

**Jewelry 2** (1100) One Credit, Block Grades 9, 10, 11, 12  
*Prerequisite: Jewelry 1*  
Building on the skills of Jewelry 1 you will have the opportunity to learn more techniques to create jewelry and small art objects. You will be able to combine techniques from Jewelry 1 with new processes and materials. Students must be able to work independently in this and other upper level classes.

**Visual Art Design** (1180) One Credit, Block Grades 9, 10, 11, 12  
Learn basic design skills through hands on artwork and computer based graphics. You may use programs such as Inkscape, Google Drawing, and Adobe Photoshop and Illustrator to create vector images and product designs.

**Printmaking** (1190) One Credit, Block Grades 9, 10, 11, 12  
Learn basic printmaking techniques including; intaglio, collagraphs, foam block, linoleum block, monotypes, wood block, monotypes, etching, and screen printing on coaster and t-shirts. You will be able to create multiple copies of the same image through these processes.

**Portfolio Art/Studio Art** (1195)

Half Credit, Half Block

Grades 11, 12

*Prerequisite: Must have completed a minimum of 3 other art courses prior to being enrolled & teacher approval.*

Portfolio Art is designed for upperclassmen who are interested in pursuing an art career beyond the high school level. It will address preparing and refining artwork for portfolio presentation and how to preserve and protect art. Students will create, select, respond to, and present work that clearly reflects newly obtained technical skills, increasing conceptual thinking and is a reflection of their personal interests.

# BUSINESS CLASSES

Seize the opportunity to learn business skills and gain knowledge for your personal life and professional career. Whether you're joining the workforce or continuing onto college, we have a business class for you!



**Join our student organization!**

DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management. Visit [www.cardinaldeca.org](http://www.cardinaldeca.org) & [www.deca.org](http://www.deca.org) for more information.

	BUSINESS COURSES	College Credit?	9th Grade	10th Grade	11th Grade	12th Grade
COMPUTER	Basic Keyboarding		★	★	★	★
	Keyboarding		★	★	★	★
	Computer Applications <i>DMACC Credit!</i>	Yes! DMACC		★	★	★
	Advanced Computer App. <i>Independent Study</i>				★	★
BUSINESS ADMIN & MARKETING	Introduction to Business		★	★		
	Accounting	Yes! DMACC		★	★	★
	Advanced Accounting <i>Independent Study</i>				★	★
	Business Law			★	★	★
	Management			★	★	★
	Marketing			★	★	★
	Entrepreneur • DECA <i>3 University of Iowa Credits!</i>	Yes! U of Iowa		★	★	★
LIFE SKILLS & JOB TRAINING	Personal Finance			★	★	★
	Business Work Experience				★	★
	Cardinal Internship/Job Shadow				★	★
	FLEDGE Innovator <i>3 University of Iowa Credits!</i>	Yes! U of Iowa			★	★
ACADEMY	Business Administration <i>DMACC Career Academy</i>	Yes! DMACC			★	★

## COMPUTER CLASSES

**Basic Keyboarding** (1200) One Credit, Half Block Grades 9, 10, 11, 12

*Take this class, rather than keyboarding, if you type 25 words per minute or less.*

Improve your typing technique and increase your keying speed in this class! You will use Email, Microsoft Word, and Microsoft Excel to format these documents: Emails • Letters • Reports • Tables • Spreadsheets • Charts • And More!

**Keyboarding** (1210) One Credit, Half Block Grades 9, 10, 11, 12

*Take this class, rather than Basic Keyboarding if you type more than 25 words per minute.*

Have you mastered good typing technique, but would like to expand your skills? After a brief review of the keyboard you will use Email, Microsoft Word, and Microsoft Excel to format these documents: Emails • Letters • Reports • Tables • Spreadsheets • Charts • And More!

**Computer Business Applications** (1220) One Credit, Half Block Grades 10, 11, 12

*Prerequisite: Basic Keyboarding, Keyboarding, or Instructor Approval*

Use Microsoft Office to enhance your word processing, database, spreadsheet, and presentation software skills.

- Microsoft Word: MLA Research Papers • Promotional Fliers • Company Letter Head • Tables
- Excel: Worksheets • Embedded Charts • Formulas • Functions • Formatting • What-If Analysis
- Access: Databases • Objects • Queries
- PowerPoint: Clip Art • Pictures • Shapes • Word Art • Media

**Earn 3 college credits. DMACC Course BCA 212 taught at NHS**

**Advanced Computer App.** (1500) One Credit, Half Block Grades 11, 12

*Prerequisite: Computer Applications • This class is an independent study*

Continue your in-depth study of the Microsoft Office program; NHS credit only

- Microsoft Word: Newsletters • Mailing Labels • Specialty Tools
- Excel: Hyperlinks • Schedules • Lists • Templates • Other Projects
- Access: Expanded Uses for Databases
- PowerPoint: Enhanced Presentations

## BUSINESS ADMIN & MARKETING

**Introduction to Business** (1230) One Credit, Half Block Grades 9, 10

Operate a business within the classroom! Units include: Personal Finance • the Job Getting Process • Soft Skills • Economics • Business Law • Ownership Structures • Management • Marketing • Accounting • Entrepreneurship

**Accounting** (1261,1262) Two Credits, Half Block Grades 10, 11, 12

What is a balance sheet and an income statement? Gain a financial understanding of financial bookkeeping principles and business operations. You will analyze transactions, journalize entries, and prepare financial reports for small businesses. *After completing the first semester, the second semester is offered for college credit DMACC course ACC111 (3 Credits).*

**Advanced Accounting** (1271, 1272) Two Credits, Half Block Grades 11, 12

*Prerequisite: Accounting • This class is an independent study*

Advance your accounting knowledge! Improve your financial decision making and use technology: Units include: Adjustments • Budgeting Procedures • Departmental Accounting • Cost Accounting • Corporate and Partnership Financing.

**Business Law** (1320) One Credit, Half Block Grades 10, 11, 12

Order in the court! Learn the importance of laws, their effect on society, and how they relate to business and the individual. You will learn these basics: Criminal and Civil Law • Contract Law • Student Rights and Responsibilities • Wills and Inheritance • Basic Property Laws

**Management** (1310) One Credit, Half Block Grades 10, 11, 12  
 What motivates employees to do a good job in the workplace? Acquire a broad overview of the necessary skills needed to manage a business! The Free Enterprise System • Forms of Ownership • Four Functions of Management • Communications • Business Insurance • Marketing Management • Managing Human Resources.

**Marketing** (1330) One Credit, Half Block Grades 10, 11, 12  
 Make your own SOAP product and build its MARKETING PLAN! SUDS IT UP with these topics; Ethics • Market Research • Target Markets & Consumer Behavior • Branding & Positioning • Product, Place, Price, & Promotions • Digital and Social Media Marketing. CLEANSE by playing “Mimic Social”, the world’s first social media marketing simulation!

**Entrepreneur** (1351, 1352) Two Credits, Half Block Grades 10, 11, 12  
*Suggested Pre or Co-requisite: Intro to Business or another business class*

**Learn while doing “hands-on” projects:**

Distribute Superfan Apparel • Organize the homecoming parade • Launch the school store • Create specialty products • Tour businesses • Attend city business and industry events • Develop a business plan • Use digital tools • Create a website using the Wix platform • Grow your leadership skills • Compete in online business games • Engage in Newton DECA!

**Earn 3 credits from the University of Iowa after passing an exit exam if taking the full year class**

## LIFE SKILLS & JOB TRAINING

**Personal Finance** (1291, 1292) Two Credits, Half Block Grades 10, 11, 12  
 Engage in these consumer finance experiences:

Semester 1 (1291)	Semester 2 (1292)
Getting a Job	Consumer Protection
Budgeting	Using and Building Credit
Understanding Paycheck Deductions	Buying, Financing, and Insuring a Car
Check Writing	Investments
Savings Accounts	Housing/Renting
Filing Income Tax	Life Insurance
Introduction to Credit	Wills and Funerals

**Business Work Experience** (1361, 1362) Two Credits, Half Block Grades 11, 12  
*Prerequisite or Co-requisite: Accounting, Marketing, Management, or Entrepreneur class*

Get a school credit for working! Work a job in a customer service field to receive credit each semester for your on-the-job experience. You may keep a job that you already have or apply for a new position. Your job can be during the school day, evenings, or weekends. Your school coordinator and employer will work together to provide guidance and assistance.

**Cardinal Internship** (1381, 1382, 1383, 1384) One Credit, Block Grades 11, 12  
*Prerequisites: Application, 95% Attendance rate, 2.0 Cumulative GPA*

Participate in a career exploration in the field of your choice\*. Work with local employers to fully engage and participate in the daily operations of the work place. Gain valuable insight and experience in your chosen field through the internship experience. A short orientation will be completed the first week of internship. Students will provide their own transportation to the worksite. \*Be aware that some shadows are not possible due to the nature of the industry, (for example financial advisors and psychologists).

**Shadow Break Internship** (1371 Winter, 1372 Spring) Half Credit, Block Grades 11, 12  
 Job shadow in the field of your choice over winter or spring break. Work with local employers to fully engage and participate in the daily operations of the work place. A short orientation will be completed prior to shadowing. Thirty hours is required to earn the half credit. Students will provide their own transportation to the worksite.

**FLEDGE Innovator** (1390) Two Credits, 1 Block for 2 Terms Grades 11, 12

*Prerequisites: 95% Attendance rate, 2.0 Cumulative GPA*

- Supports STEM Initiatives (Science/Technology/Engineering/Math) or business innovations
- Apply creativity and innovation for solutions to local community problems by working in a student team on projects with mentors from local businesses.
- FLEDGE provides a learning environment designed to foster development of entrepreneurial thinking and leadership skills through strategic development and execution.
- *At the end of the class, students will take a U of I written exam. To receive the college credit, students must score 70% or higher on the exam. Students must also submit all FLEDGE Innovation Portfolio materials and pass all items. After the test, each student decides if they'd like to receive the three U of I credits and pay a \$150 course fee; otherwise students will receive two NHS credits.*

***Earn 3 Transferable Credits from the University of Iowa in Entry-Level Engineering or Entrepreneurship***

**Business Administration** (0803, 0804) 5 Credits, Block PLUS Grades 11, 12

*Prerequisites 3 NHS business courses*

This program provides a foundation of business-related courses that will prepare students for entrance into a multitude of business programs at post-secondary institutions. Components include: Introduction to Business • Selling • Career Development • Human Relations in Management • Business Law • Personal Finance.

***This is a DMACC ACADEMY program; 5 NHS Credits***



## FAMILY AND CONSUMER SCIENCE

Family and Consumer Science Classes offer a unique focus on families, work, and their relationships, providing a solid foundation of success for any student. The essential knowledge and skills developed through Family and Consumer Sciences Programs prepare students for a successful future in many fields, as well as in family and community life. The classes are designed to assist the student in the development of attitudes, appreciations, understandings, and techniques necessary for these skills.

Because each person's contributions to society depend heavily on early family experiences, education for home and family life is offered during their high school career. Regardless of interests, abilities, or background, a person's successes, satisfactions and growth as a person depend upon their ability to relate to others, to set realistic personal goals and to manage resources. Ultimately, Family and Consumer Science classes prepare students for a more satisfying life.

*Graduation Requirement: One credit in Health*

*Articulated Courses: Early Childhood Occupations*

### Family and Consumer Science Courses

#### Human/Family Services

The Sewing Connection

Child Development

Parenting Skills

Adult Living

Health

Early Childhood Occupations / Work Experience  
DMACC Credit

DMACC Health Occupations

DMACC Certified Nurse Aide Training

#### Food Production & Nutrition Service

Careers/Foods 9

Foods 1

Foods 2

DMACC Baking

#### Housing, Fashion & Design

The Sewing Connection

Project Runway: Sewing 1

Project Runway: Sewing 2

Project Runway: Fashion

Housing and Interior Design

## **HUMAN /FAMILY SERVICES**

### **The Sewing Connection** (3410)

One Credit, Block

Grade 9

**Discuss personal growth, fashion and begin sewing!** Topics covered will be personal growth, respecting friends, relationships, fashion terms/history, and basic sewing skills. Students will complete a sewing project to take home. This is a comprehensive course and gives students an opportunity to learn about different content areas in FCS.

### **Child Development** (3800)

One Credit, Half Block

Grades 10, 11, 12

**Are children in your future?** Child Development will build a positive understanding of children's growth and development from conception to age six. Students will learn the theories of development and growth as well as techniques to use when working with children through class activities, presentations, discussions and DVDs. Creating a children's texture book, puppets and games will enhance their knowledge and experiences.

### **Parenting Skills** (3610)

One Credit, Block

Grades 10, 11, 12

**Parenting may be the hardest job you will ever have if you choose to have children.** Parenting requires a variety of skills such as communication, decision-making, discipline, listening, sacrificing, handling your emotions and your children's, managing your resources, and being a healthy role model. This course will help develop those skills and more. This may be the first and last education you receive about such an important job as "Parenting."

### **Adult Living** (3750)

One Credit, Block

Grades 11, 12

**Ready to move out and be on your own!!!** This class will help you look at some of the issues you will be faced with. Topics covered will be: the challenges of moving away from home (supplies for a home, dealing with neighbors, car maintenance), care/management of an apartment (safety, clothing care/sewing repairs), employment for you, decisions people have to make, communication, relationships with others, choosing a mate, marriage, establishing a family, and challenges in a family.

### **Health** (3600)

One Credit, Half Block

Grades 9, 10, 11, 12

**Prevention and knowledge about health care is the key component of the Health class.** Many topics applying to your future life will be covered as the semester progresses. Various activities, projects, and speakers will bring the topics to life as information is explored. **Take care of yourself and be informed!**

Students whose religious beliefs conflict with Physical Education or Health instruction may be excused through a written request submitted to the Principal. (Board Policy 602.11) Parents who object to health education instruction in human growth and development may file a written request that the pupil be excused from the instruction. (Board Policy 602.12) This is a class that covers many topics regarding health issues students will face in the future. Before making a request, carefully consider the importance of taking this class versus never having the information. The information in this class is critical for all students.

### **Health Online** (3602)

One Credit, Online

Grades 9,10,11,12

*Prerequisite: Health*

Health literacy is "the degree to which individuals have the capacity to obtain, process and understand basic health information and services needed to make appropriate health decisions" (Nielsen-Bohlman, 2004). With an emphasis on personal health, this course will challenge students to consider their mental health, their nutritional health and their physical health. Topical health issues underlie all course content. Students develop communication skills that allow them to demonstrate healthy choices with respect for self, family and other. This course is designed to help students develop the knowledge and skills needed to make appropriate health decisions throughout their lifespan.

<b><u>Early Childhood Occupations</u></b> (3831, 3832)	Two Credits, Half Block	Grade 12
<b><u>Child Occupations Work Experience</u></b> (3841, 3842)	Two Credits, Block	Grade 12

*Prerequisites: Child Development is desirable; Complete Application; Instructor Approval*

Early Childhood Occupations is a course at the high school and a field-based internship in a preschool, elementary or middle school setting. The students will apply their knowledge of child development to the principles of effective teaching practices while building professional job skills. Students will learn to plan and direct individualized instruction and group activities, prepare instructional materials, assist with record keeping, and complete other responsibilities of teacher while on the job site. **This class would provide great experiences for students who are interested in elementary education, preschool or day care, handicapped children, nursing, social work, or just have a strong interest in working with children.**

Preference for selection will be given to those with (1) a strong interest in children, (2) a positive attitude, and (3) attendance. This class can be taken for first semester and/or second semester. Early Childhood Occupations students will be working with children at job sites on a non-paid basis. **Students will provide their own transportation to job sites.**

**DMACC Credit SDV 212/222 and or SDV212/223(5 credits for full program)**

<b><u>Health Occupations</u></b> (0301, 0302)	Five Credits, Block PLUS	Grades 11, 12
---	--------------------------	---------------

*Prerequisite: Health, Applied Biology, or Biology*

**This is a DMACC ACADEMY offering. It requires completion of required documents (criminal background check and immunization record) before start of class.** Students must register for the full year. This year-long program will provide students the opportunity to explore careers in health care and work toward CNA training. Fourteen DMACC credits are available upon completion of all DMACC Career Academy course offerings. *\*\*\*Course requires extended clinical sessions in evenings and/or weekends.*  
**Times: 7:30-9:30AM and 1:15-3:15PM**

<b><u>Certified Nurse Aide Training</u></b> (0303, 0304)	2.5 Credits, Block PLUS	Grades 11, 12
--	-------------------------	---------------

*Prerequisite: Health, Applied Biology, or Biology*

**This is a DMACC ACADEMY offering. It requires completion of required documents (criminal background check and immunization record) before start of class.** Students may take only the Nurse Aide 75 hours class if they so choose. This is a semester-long certification program for students interested in becoming a CNA. Six DMACC credits are available upon completion of all DMACC Career Academy course offerings. *\*\*\*Course requires extended clinical sessions on evenings and/or weekends.* **Times: TBA**

## **FOOD PRODUCTION AND NUTRITION SERVICES**

<b><u>Careers/Foods 9</u></b> (3420)	One Credit, Block	Grade 9
--------------------------------------	-------------------	---------

Wanting to develop your skills in food knowledge and preparation with additional information about career work ethics and work habits? **This is the course to take!!** Getting ready for the food service career areas and establishing good work ethics will be studied, along with many hands-on activities concerning food preparation, nutrition, food safety, time management, and kitchen upkeep. A lab fee will be associated with this course.

<b><u>Foods 1</u></b> (3480)	One Credit, Block	Grades 10, 11, 12
------------------------------	-------------------	-------------------

Would you like to learn to make a variety of foods like pastas, fruit pizza, ice cream, pretzels, plus Chinese & Mexican dinners? Then join us in Foods 1 as we explore many different food favorites. This class will give students a chance to learn basic food preparation skills that will last a lifetime. Time will be spent in cooking labs preparing a wide variety of foods. Emphasis will be given to healthy eating and making wise food choices as well as time management, recipe skills, food safety and possible careers in food service. Students will also discover how new information and research can have an effect on personal wellness.

**Foods 2** (3490)

One Credit, Block

Grades 10, 11, 12

*Prerequisite: Foods 1*

Does making delicious appetizers, soups, salads, cakes, pies, cookies, and breads sound fun to you? How about learning to cook fish, seafood, and chicken as well as reception planning? Then join us for Foods 2. Food is an integral part of everyone's life. Baking and cooking can be a source of security, pride, and enjoyment. This class will help students develop an aesthetic appreciation for food while refining skills in food preparation, recipe reading, and working with others. Students will be developing skills for everyday use or for a future in the food industry. A lab fee will be associated with this course.

**Baking** (0401, 0402 – Year One)

Five Credits, Block PLUS

Grades 11, 12

*Prerequisites: Foods 1, Foods 2*

**This is a DMACC ACADEMY offering.** Students must register for the full year. Through hands-on experience, students are introduced to the scientific principles used in food preparation, the hospitality industry, and the fundamentals of dining and sanitation. Twenty-two DMACC credits are available upon completion of all DMACC Career Academy course offerings. **Times: 7:30-9:30AM**

**HOUSING, FASHION AND DESIGN****The Sewing Connection** (3410)

One Credit, Block

Grade 9

**Discuss personal growth, fashion and begin sewing!** Topics covered will be personal growth, respecting friends, relationships, fashion terms/history, and basic sewing skills. Students will complete a sewing project to take home. This is a comprehensive course and gives students an opportunity to learn about different content areas in FCS.

**Project Runway: Sewing 1** (3710)

One Credit, Half Block

Grades 10, 11, 12

Sewing, the great "hands on" skill that is coming back!! Learn the basics about textiles, basic sewing, fashion sewing, crafts, and quilting. Just take a look at all of the sites online that use basic sewing skills.

**Project Runway: Sewing 2** (3720)

One Credit, Half Block

Grades 11, 12

*Prerequisite: Project Runway: Sewing 1*

Work on perfecting those sewing skills!! You will be continuing your sewing with projects of your choice plus work on basic alteration skills.

**Project Runway: Fashion** (3700)

One Credit, Half Block

Grades 10, 11, 12

Discover the process fashions take from design to your closet. This course explores design, advertising, visual merchandising, textiles and garment parts, design writing, and careers relating to fashion. Designers and fashions of the past are also explored.

**Housing/Interior Design** (3660)

One Credit, Block

Grades 10, 11, 12

Housing and Interior Design is a class which you will learn everything from housing styles and basic construction to interior design. You will be looking at your community in a very different perspective after taking this class, plus you will be gathering ideas for that future apartment or home.

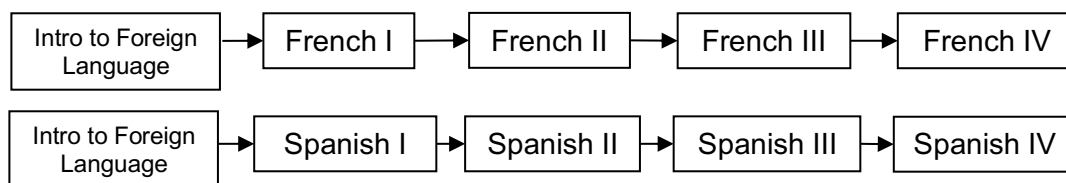
## FOREIGN LANGUAGE

Foreign Language classes concentrate on developing skills in five areas: speaking, listening, writing, reading, and culture. Active participation and academic integrity as well as practice through homework are mainstays of the program. The study of culture includes the customs, belief, habits, history and arts of the people and countries of the target language. Respect for cultural differences is paramount.

IT IS HIGHLY RECOMMENDED THAT STUDENTS DEMONSTRATE PROFICIENCY ON THE READING PORTION OF THE IA ASSESSMENTS OR PASS FRESHMAN ENGLISH BEFORE ENROLLING IN A FOREIGN LANGUAGE. Our experience has shown that students who do not meet these criteria tend to have more difficulty with Foreign Language—especially as a freshman. Intro to Foreign Language is recommended to help these students prepare for successful study of Spanish I or French I.

**IT IS RECOMMENDED THAT STUDENTS EARN A GRADE OF C OR BETTER IN PREREQUISITE COURSES BEFORE MOVING ON.**

### Foreign Language



**Introduction to Foreign Language** (3100)                      One Credit, Half Block                      Grades 9, 10, 11, 12  
 This course will provide a basic introduction to Foreign Language. It will focus on the underlying principles and concepts that are common to French and Spanish. Students will perfect study skills specific to Foreign Language by learning basic phrases and cultures of each language. This is an effective bridge course for students who feel unprepared to enter level one language.

**French I** (3111, 3112)    Two Credits, Half Block                      Grades 9, 10, 11, 12  
**Spanish I** (3211, 3212)

These courses introduce students to the language and culture of French or Spanish. Students will work to build basic vocabulary and structure to facilitate communication.

**French II** (3121, 3122)    Two Credits, Half Block                      Grades 10, 11, 12  
**Spanish II** (3221, 3222)

*Prerequisites: French I or Spanish I respectively with a Grade of C or higher*

As a continuation of the foreign language program of study, the second course allows students to hone their language skills. Students will use their skills and vocabulary from level 1 to build their vocabulary as well as learn more advanced grammar structures.

**French III** (3130)    Two Credits, Block    Grades 10, 11, 12  
**Spanish III** (3230)    Two Credits, Block    Grades 10, 11, 12

*Prerequisites: French II or Spanish II respectively with a Grade of C or higher*

During the third course in a foreign language, students will begin to develop more refined language skills. More in-depth culture studies will be included. Students will begin to learn the nuances of language as well as more advanced structures and specialized vocabulary. Students must be able to attend the entire block class. **French III offered for college credit to those in grades 11 and 12. DMACC Course FLF 241 (4 credits)**

**French IV** (3140)

Two Credits, Block

Grades 10, 11, 12

**Spanish IV** (3240)

Two Credits, Block

Grades 10, 11, 12

*Prerequisites: French III or Spanish III respectively with a Grade of C or higher*

As the culmination of the foreign language program, heavy emphasis will be placed on the use of the language through participation in class activities. Students will be expected to apply their language skills to a variety of situations. This course is literature-based and students will be using authentic texts to improve their skills and vocabulary. Students must be able to attend the entire block class. **French IV offered for college credit to those in grades 11 and 12. DMACC Course FLF 242 (4 credits).**

## GUIDANCE

Your assigned counselor will assist you and your parents in preparing your individual program of studies throughout your four years at Newton High School. Prior to registration you should carefully review your planned program to be certain it best meets your goals and aspirations.

### ***Guidance and Related Courses***

**Success 1** (1811, 1812)

Two Credits, Half Block

Grade 9

**Success 2** (1821, 1822)

Two Credits, Half Block

Grade 10

*Prerequisite: Counselor Recommendation*

The Success class is designed to assist at-risk students in assessing their interests and abilities as well as developing their self-esteem, study skills, and career awareness. This class is part of a more comprehensive program to enable selected students to improve their attendance, to succeed in high school, and eventually succeed in future careers. Students will be identified through a selection process.

**English Language Learner (ELL)** (2931, 2932)

Two Credits, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Non-English Speaking*

Students who have a language other than English as their native language may qualify for ELL services. Testing is required prior to admission to determine placement. English credit is awarded. Contact your counselor for additional information.

**Teacher Academy** (0311, 0312)

Five Credits, Block PLUS

Grades 11, 12

*Prerequisite: Child Development*

**This is a DMACC ACADEMY offering.** Students must register for the full year. The Teacher Academy provides students with an opportunity to explore education-related professions and take part in real-life teaching experiences. Students will spend 120 hours shadowing elementary- and secondary-school personnel during portions of their assigned class time. Courses fulfill Level I Field Experience requirement at many four-year colleges. **Times: 7:30-9:30AM**

## INDUSTRIAL TECHNOLOGY

Newton High School Industrial Technology programs provide students with practical experiences in material processing, project planning, and problem-solving activities. These activities replicate entry level experiences in many industry related occupations and are a valuable asset in beginning technology careers.

While gaining experience in course activities, students begin to develop an appreciation for skills and attitudes required to succeed in selected careers. These skills and attitudes are easily transferred from career to career making it easy for an individual to be successful in any job they may choose.

The course subject matter provides students with both content related experiences and practical experiences that reinforce high school core courses. The experience and knowledge gained is part of the overall educational experience in compliance with the school board statement of philosophy and provides a foundation that will help in selecting a life's work.

Student grades will be based upon competency standards established for performance and knowledge related to the subject. Students completing the suggested courses in a program are eligible to receive an Industrial Technology Certificate.

*Articulated Courses: Mechanical Drafting 1 & 2, General Woodworking, Advanced Woodworking, Power Technology, Automotive Technology (see page 8)*

Industrial Technology Programs & Related Courses							
Programs	Construction Technology	Manufacturing Technology		Engineering Technology		Service Technology	
Intro Courses	Introduction to Woodworking Materials and Processes Introduction to Engineering Design						
Suggested Courses	Home Repair	General Woodworking	Metals	CAD or IED	CAD	CAD	Auto Upkeep
	General Woodworking	CAD	CAD	Mechanical Drafting 1 or POE	Architectural Drafting		Power Technology
	Architectural Drafting	Advanced Woodworking	Mechanical Drafting 1	Metals	Building Trades DCA		Metals
	Building Trades DCA		Advanced Metals	Mechanical Drafting 2			Automotive Technology
Career Areas	<b><i>Building Trades</i></b>	<b><i>Wood Trades</i></b>	<b><i>Machine Trades</i></b>	<b><i>Engineering Technology</i></b>	<b><i>Architecture</i></b>	<b><i>Electrical Trades</i></b>	<b><i>Automotive Trades</i></b>
Refer to the individual course descriptions for grade level and prerequisite information.							



**Introduction to Woodworking** (4010) One Credit, Half Block Grade 9,10, 11, 12  
Activities will focus on safety, proper use of hand tools and power equipment, plan reading, project completion, and career opportunities. Students will work on a variety of projects including cutting boards, picture frames, and mini baseball bats. It is recommended that students interested in pursuing higher level industrial technology courses take this course as a freshman.

**Materials and Processes** (4020) One Credit, Half Block Grade 9,10, 11,12  
This course introduces students to Newton High School's Industrial Technology programs. Students will work on a variety of projects including a tool box, rotational molded ball, injection molded screw driver, and resin casted giant clothes pin. Students will develop skills to be used in multiple classes in the Industrial Technology program. Activities will focus on four basic areas: print reading, layout, metalworking, and plastics.

**Engineering Drafting 1** (4070) One Credit, Half Block Grades 9, 10, 11, 12  
This course introduces industrial design and its place in the manufacturing process. Content includes design visualization, creation, and application of 3-D computer generated models in today's manufacturing, communication, and publishing industries; creating a 3-D computer model component design. From original idea, pencil sketching, and concept analysis, to use of surface and solid modeling software, model construction and editing, display commands, detailing, geometric translation, rendering and presentation.

**Engineering Drafting 2** (4080) One Credit, Half Block Grades 10, 11, 12  
*Prerequisite: Engineering Drafting 1*  
This course enables students to learn mechanical drafting concepts and its language. Students will have experiences that may include graphic symbols, geometric construction, sketching, multi-view drawings, orthographic projection, pictorial drawings, basic dimensioning, sectioning, and auxiliary views. All activities will include traditional and CAD techniques to produce working drawings.

**Engineering Drafting 3** (4090) One Credit, Half Block Grades 10, 11, 12  
*Prerequisite: Engineering Drafting 2*  
This course enables students to learn basic drafting techniques and extends their knowledge in descriptive geometry, revolutions, assembly drawings, sheet metal layout, advanced dimensioning procedures, and machining processes. Other activities will include CAD generated 3D modeling. All activities will include traditional and CAD techniques to produce working drawings.

**Architectural Drafting** (4100) One Credit, Half Block Grades 10, 11, 12  
*Prerequisite: Computer Aided Drafting*  
This course enables students to learn basic room planning, architectural symbols, architectural language and architectural plans needed to build a residence. Activities will include traditional drafting skills and computer research. Field trips may be taken to experience various architectural designs and construction techniques.

**Metals** (4140) Two Credits, Block Grades 10, 11, 12  
This course enables students to learn basic metal fabrication processes. Activities may include shop safety, precision measurement, layout, basic machine processes, forging, welding, and CNC programming. Students are required to complete projects that demonstrate their knowledge of learned processes.

**Advanced Metals** (4150) Two Credits, Block Grades 11, 12  
*Prerequisite: Metals*  
This course enables students to expand their knowledge and techniques in metal fabrication. Activities may include advanced machine processes, foundry processes, welding, and CNC programming and machining. Students are required to complete projects that demonstrate their knowledge of learned processes.

**Auto Upkeep I** (SCED 20103)(4170) One Credit, Half Block Grades 10, 11, 12  
This course is designed for the student who would like to own and maintain a personal vehicle. This course covers basic car care, under hood inspection (fluids, belts, hoses), removing & replacing items (wiper blade, lamps, and fuses), cooling system maintenance, tire information, brake inspection, minor ignition system maintenance (spark plug, wires, firing order, car buying, car insurance, and service information.

**Power Technology** (4160) Two Credits, Block Grades 10, 11, 12

*The completion of Materials and Processes is strongly recommended before taking Power Technology.*

This course enables students to learn how energy and power is used in industry, through the study of energy production, transportation systems, power systems, and robotics. Activities may include designing and testing vehicles, analyzing and repairing small engines, and constructing robotic arms. Students are required to complete projects that demonstrate their knowledge of learned theories. This course is a prerequisite for Automotive Technology and it is suggested for anyone intending to pursue a career in engineering or maintenance.

**Automotive Technology** (4180) Two Credits, Block Grades 11, 12

*Prerequisite: Power Technology*

This course enables students to learn a wide range of topics related to the automotive industry. Emphasis is placed on automotive systems theory, basic maintenance, and troubleshooting techniques. Activities include servicing, maintaining, and repairing the students' vehicles. Students are required to complete activities that demonstrate their knowledge of learned theories and processes.

**Home Repair** (4040) Two Credit, Half Block Grades 11, 12

This course provides students with knowledge and skills to repairs the systems found in the home. Students who want a basic knowledge and understanding of useful skills for owning a home should take this course. This class will provide students common sense skills to make them handier at home. Course content may include electrical wiring, plumbing, window and door repair and installation, wall and floor repair and finishing, furniture repair and finishing, and small appliance repair.

**General Woodworking** (4200) Two Credits, Block Grades 10, 11, 12

This course enables students to learn basic woodworking techniques, types of materials, and processes used to produce a product. Students will also learn how to use basic woodworking tools and power equipment. Activities will include producing projects that use the techniques taught in the class. Students are required to build teacher-selected projects that relate to techniques taught in the class. All students will pass machine safety assessments with 100% accuracy.

**Advanced Woodworking** (4210) Two Credits, Block Grades 11, 12

*Prerequisite: General Woodworking with B or Better*

This course enables students to learn advanced woodworking techniques, types of materials, and processes used to produce finely-crafted wood products. Students will also learn how to use specialized woodworking tools and power equipment. Activities will include producing projects that use the techniques taught in the class, class trips, and career areas. Students will be required to plan and build their own individual project. This will be reviewed and approved with the instructor. All machine and tool safety assessments will be passed with 100% accuracy by all students. Students will procure all materials for their individual projects. Site visits to local businesses may be included.

**Automotive Collision** (0001, 0002 – Year One) Five Credits, Block PLUS Grades 11, 12

*Prerequisites: Power Technology, Auto Technology*

**This is a DMACC ACADEMY offering.** Students must register for the full year. This program introduces students to the highly technological industry of Auto Collision and Repair. Students will gain experience in the areas of basic shop operations and procedures, welding, painting, and shop safety. Fifteen DMACC credits are available upon completion of all DMACC Career Academy offerings. **Times: 7:30-9:30AM or 1:15-3:15PM**

**Building Trades/Finish Carpentry** (0005, 0006 – Year One) Five Credits, Block PLUS Grades 11, 12  
(0015, 0016 – Year Two)

*Prerequisites: Woodworking, one industrial tech elective*

**This is a DMACC ACADEMY offering.** Students must register for the full year. This program allows students to engage in experiential learning in the areas of Construction and/or Carpentry. Twenty-one DMACC credits are available upon completion of all DMACC Career Academy course offerings. Transportation to job site is required. **Times: 7:30-9:30AM or 1:15-3:15PM**

**Welding** (0101, 0102 – Year One) (0103, 0104 – Year Two) Five Credits, Block PLUS Grades 11, 12  
*Prerequisites: Metals and Advanced Metals*

**This is a DMACC ACADEMY offering.** Students must register for the full year. Students will learn the trade of welding. This program will be scheduled as interest demands. ***Times: To be determined***

**Introduction to Engineering Design** (IED) (4310) Two Credits, Block Grades 9, 10, 11, 12  
*Prerequisite/Co-requisite: Algebra I*  
Offered alternating years

This is a Pre-Engineering course where students use 3D solid modeling design software to help design solutions to proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Completion of this course will earn for the student Industrial Technology credit. Offered for college credit. **DMACC Course EGT 400 (4 credits)**

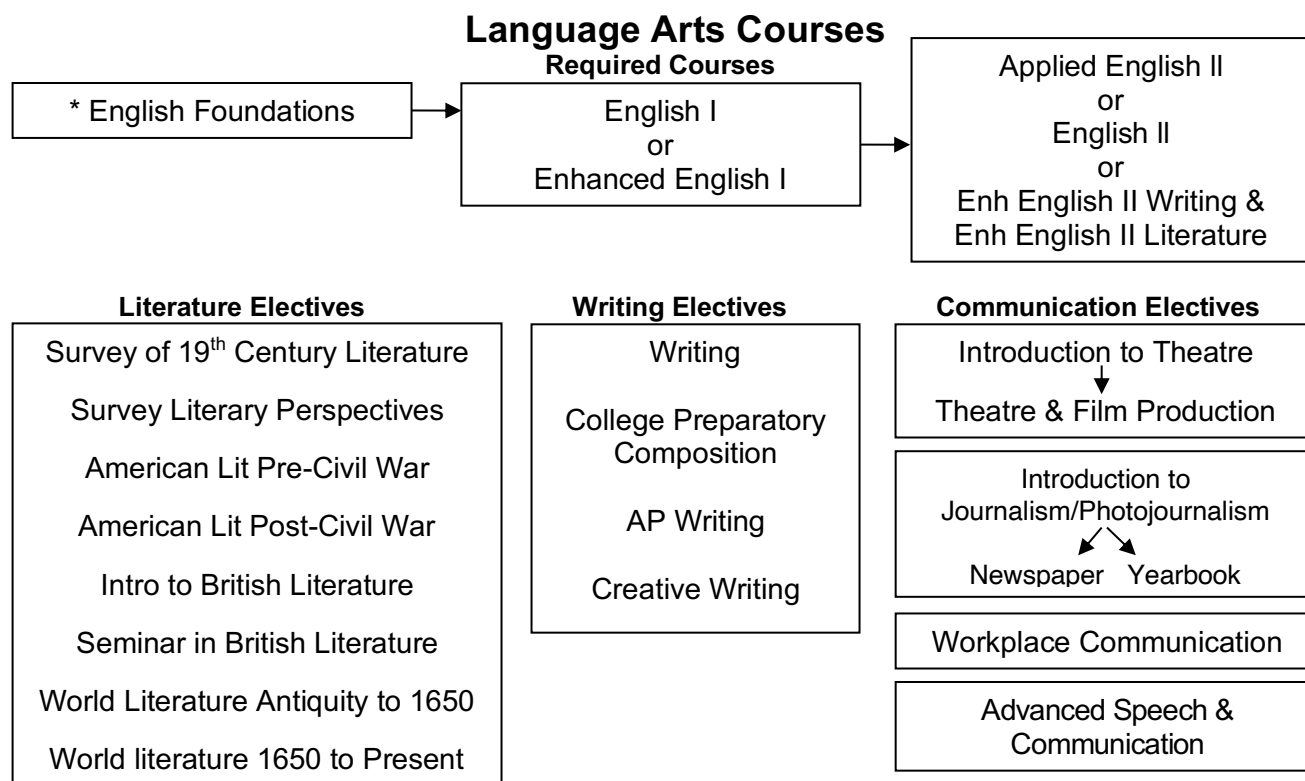
**Principles of Engineering (POE)**(4320) Two Credits, Block Grades 10, 11, 12  
*Prerequisite/Co-requisite: Algebra I*  
Offered alternating years

This survey course of engineering exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. This course is designed for 10th or 11th grade students. Offered for college credit. **DMACC Course EGT 410 (3 credits)**

## LANGUAGE ARTS

The basis of all human existence is communication. The Language Arts Department emphasizes comprehension of the written word, writing and speaking with clarity and accuracy, logical and creative thinking, and acting. Aesthetic appreciation of traditional Western values is emphasized during reading, discussing, and writing. Our goal for students is for each student to be a successful communicator in any vocational choice. All classes, professions, or jobs are affected by the student's mastery of the English Language. It is the vital link between ourselves and others in sharing information.

*Graduation Requirements: Eight credits including English Foundations and/or English I or Enhanced English I, English II or Enhanced English II, a Literature Elective, and a Writing Elective.*



\* Not Required for Proficient Readers

### **English Foundations** (2281, 2282)

Two Credits, Half Block

Grade 9

*Prerequisite: Incoming Freshmen that have been identified as non-proficient readers by two separate assessments.*

Reading is the most important skill needed for success in high school classes and adult life. English Foundations has been designed specifically for non-proficient readers to improve their reading skills. Major strands of the program will include speaking/listening, phonology, phonemic awareness, phonics, word recognition, and reading comprehension. In addition, students study punctuation, capitalization, spelling, composition, literature, and correct use of words in sentences. During first semester, students will also study the mechanics for writing the research paper. A variety of literary types is read during both semesters. Students will also prepare and deliver two speech presentations.

### **English I** (2311, 2312)

Two Credits, Half Block

Grades 9, 10, 11, 12

English 1 establishes the foundations of reading and writing that will be the basis for all other English/Language Arts courses. The class focused on paragraph and essay writing and learning to express ideas in written form. Students will analyze A Long Way Gone, Romeo and Juliet, A Christmas Carol, and various short stories by writing compare contrast essays, as well as, analytical and descriptive assignments.

**Enhanced English I** (2320) Two Credits, Block Grade 9  
 Enhanced English I is designed for the student who is interested in an in-depth study of literature and writing. The course is designed for students who are willing to think and work hard and is open to all freshmen. Students must meet all research paper unit requirements to pass Enhanced English I.

**Applied English II** (2341,2342) Two Credits, Half Block Grades 11,12  
*Prerequisite: English Foundations, English I*

Applied English II builds on the foundations of reading and writing introduced in English I. The class focuses on thinking critically and advancing established skills, and expressing increasingly complex ideas in written form. Through guided instructions, students will analyze Animal Farm and Julius Caesar and a study of media literacy by writing compare/contrast essays, an argumentative essay, a narrative essay, as well as analytical and descriptive writing assignments. This course is designed for students who may be more successful learning in this format.

**English II** (2350) Two Credits, Block Grades 10, 11, 12  
*Prerequisite: English I*

English II builds on the foundations of reading and writing introduced in English I. The class focuses on thinking critically and advancing established skills, and expressing increasingly complex ideas in written form. Students will analyze Animal Farm, Julius Caesar, The Hate U Give, and media literacy by writing in a variety of different formats.

**Workplace Communications** (2510) One Credit, Half Block Grades 11, 12  
*Prerequisite: English II or Applied English II*

Workplace literacy is designed for students who wish to gain experience in industry related literature and written language. This course is meant for students who plan to enter the workforce immediately after high school. Workplace literature such as resumes, cover letters, business cards, and persuasive writing are just a few of the communications taught. Various types of workplace relate writings such as instructions, letters, project presentation similar to one a business professional would present.

**Enhanced English II Literature** (2400) One Credit, Block Grade 10  
**Enhanced English II Writing** (2410) One Credit, Block Grade 10  
*Prerequisite: English I or Enhanced English I*

Enhanced English II is a continuation of the advanced literature and writing curriculum. The course emphasizes an in-depth study of world literature and of the writing process, especially the essay. Enhanced English II is designed for students who have done well on standardized tests or who have completed English I with an A. Enhanced English II Literature students will engage in both formal and informal speech presentations.

**Survey Literary Perspectives** (2501) One Credit, Half Block Grades 11, 12  
*Prerequisite: Grade of C or lower in English II Lit*

This course will exam different literary genres pulling from contemporary authors and topics. Students will explore the evolution of literary elements within the examined genres and discuss the relationship of these elements to our society. The specific genres that will be examined will be science fiction, fantasy, and horror. Although reading different types of literature is the major area of study, vocabulary, reading, and writing skills will be emphasized. Specific authors will be studied as well as specific themes in literature. This class is not accepted by four-year colleges for freshmen admission.

**Survey of 19<sup>th</sup> Century Literature** (2502) One Credit, Half Block Grades 11, 12

Survey Literary Perspectives is designed to help students who are not vocational school or college bound. Although reading different types of literature is the major area of study, vocabulary, reading and writing skills will be emphasized. Specific authors will be studied as well as specific themes in literature. This class is not accepted by four-year colleges for freshmen admissions.

**American Literature Pre-Civil War** (2430) One Credit, Half Block Grades 11, 12

This course is designed with college preparation work. Pre-Civil War is a semester long survey course covering important American authors and literary movements from the time of settlement to the beginning of Civil War. Units of study are comprised of literary selections that represent the nation's diversity in gender, ethnicity, and cultural perspective, while stressing the influence of historical setting. Completion of the research paper to minimum standards is required to pass the course.

**American Literature Post-Civil War** (2440) One Credit, Half Block Grades 11, 12

This course is designed with college preparation work. Post-Civil War is a semester-long survey course covering important American authors and literary movements from the Civil War to the contemporary authors. Using analytical processes, readers can evaluate truths about the human dilemma to determine direction for their lives. Units of study are comprised of literary selections that represent the nation's diversity in gender, ethnicity, and cultural perspective, while stressing the influence of the historical setting. Completion of the research paper to minimum standards is required to pass the course.

**Introduction to British Literature** (2450) One Credit, Half Block Grades 11, 12

*Prerequisite: English II or Enhanced English II*

In this semester-long class, students will be introduced to Great Britain's literary contributions to the world. We will read and discuss works from the earliest settlements on the British Isles to the early 20<sup>th</sup> century. Basic literary skills will be strengthened, focusing on students' ability to paraphrase as well as their ability to use the historical context of the stories that we read to deepen their understanding. Other areas of focus will include paragraph writing and effective note-taking.

**Seminar in British Literature** (2460) Two Credits, Block Grades 11, 12

*Prerequisite: English II or Enhanced English II, and Introduction to British Literature or Instructor approval*

In this course students will encounter some of the foundational works of British Literature. We will take an in-depth look at Beowulf, The Canterbury Tales, Shakespeare's history plays, Paradise Lost, Robinson Crusoe, and Jekyll & Hyde as well as the Romantic, Victorian, and early Modernist poets. Students will be expected to discuss these works in a seminar setting which focuses on making and defending literary assertions.

**Writing** (2560) One Credit, Block Grades 11, 12

Writing is primarily designed to give students a wide range of writing experiences plus individual guidance in basic skills as needed to achieve a consistent level of standard English. Students who need a more writing practice/skills before composition 1 are advised to take this course. During the class, we develop paragraphs and major essays, as well as learn to construct business letters/memos. In addition, students learn presentation and powerpoint skills.

**Composition 1** (2630) One Credit, Half Block Grades 11, 12

*Prerequisite: Grade of B or higher in English II Writing or take Writing and then Composition 1 or Instructor Approval*

Composition 1 is designed for those students planning to attend a four-year college after graduation. The purpose of the course is to give the student an opportunity to learn by using varied structures of writing non-fiction: analytical, informal and formal essay. The major emphasis is on clarity of thought and appropriate structure for accurate communication of thought. Remedial and advanced work in grammar and usage are continuously practiced in all writing assignments. **Offered for college credit. DMACC Course ENG 105 (3 credits)**

**Advanced Placement Writing** (2660) Two Credits, Block Grades 11, 12

*Prerequisites: Composition 1 or Enhanced English II Writing with a B or higher and Minimum IA Assessment reading score of 307 10<sup>th</sup> grade and 313 11<sup>th</sup> grade*

Advanced Placement Writing is designed for students who are motivated to further develop their composition skills and to earn college credit through Advanced Placement Testing. Students will advance analytical reading skills by reading representative examples of essays, biographies, narratives, and other works written by published master authors of non-fiction. An intensive study of style, structure, and synthesis of techniques is necessary for clear communication in writing. Through organized study of the structures of sentences, paragraphs, and larger discursive patterns, students will become knowledgeable about semantic, logical, and creative qualities of composition. The optional Advanced Placement Tests are given in May.

**Creative Writing** (2640) One Credit, Block Grades 11, 12

*Prerequisite: Writing with a B or higher, Composition 1, AP Writing, or Enhanced English II*

*Writing or Instructor Approval*

Writing creatively is something that humans have been doing since the dawn of civilization. We are, by nature, storytellers. In this course we will study some examples of creative writing done by others, but mostly we will continue the conversation begun ages ago. In this university level course students will write and share their creative work in both poetry and prose fiction as well as read and comment on their classmates' writing. This course is structured as a writing workshop; therefore, students must be willing to read and write both during and outside of class time. While students are encouraged to focus on either prose or poetry, students are required to compose pieces in both genres. **Offered for college credit. DMACC Course ENG 221 (3 credits).**

**World Literature Antiquity to 1650** (2860) Two Credits, Block Grades 11, 12

*Prerequisites: Enhanced English II Literature, Introduction to British Lit., American Lit. I or II, and Enhanced English II Writing, Composition 1, or AP Writing.*

(Formerly Humanities) Students in this university-level course will trace the progress and decline of humankind from ancient Mesopotamia through the Age of Reason. We will focus on honing our skills in critical close reading, understanding social & historical contexts, and using different critical lenses (reader-Response, Feminist, Freudian, etc.). Among the many works studied are Homer's Iliad, Virgil's Aeneid, the Nibelungenlied, Dante's Divine Comedy, Machiavelli's The Prince, Shakespeare's Taming of the Shrew, and Voltaire's Candide. **Offered for college credit: DMACC course LIT 150 (3 credits).**

**World Literature 1650 to Present** (2470) One Credit, Half Block Grades 11, 12

*Prerequisites: Enhanced English II Lit, British Lit to 1616, British Lit 1616-1900, or American Lit I or II, and Enhanced English II Writing, Composition 1, or AP Writing with a C or higher*

Students will explore the readings from a variety of places, time periods, and perspectives from across the world including but not limited to literature from Asia, Africa, and the Middle East. Using full texts and supplemental excerpts (novels, short fiction, poems, nonfiction, etc.), students will interpret and analyze the content as well as writing style to illustrate that the human experience is ubiquitous. This is an accelerated course that emphasizes literary analyses, close critical readings, and scholarly writing. **Offered for college credit. DMACC Course LIT 151 (3 credits).**

**Introduction to Theatre** (2180) One Credit, Half Block Grades 9, 10, 11, 12

For students interested in having a deeper understanding of the appreciation for contemporary plays and films, this course traces the development of Western Theatre from ancient Greece to contemporary America. Students in class will explore the world of the theatre as they respond personally and critically to a wide variety of performances of plays and musicals such as Antigone, Everyman, Twelfth Night, The Importance of Being Earnest, The Pirates of Penzance, Carousel, and Driving Miss Daisy.

**Theatre & Film Production** (2190) One Credit, Half Block Grades 9, 10, 11, 12

*Will not be offered in 2021-2022*

After studying the basics of the theatrical world, this course offers students an opportunity to apply that knowledge. Theatre and Film Production gives students a chance to extend and apply concepts from Introduction to Theatre such as empathy, storytelling structures, stylization, and historical context to actual productions, both live and on film. Students work with each other in production teams throughout the production process, engaging in roles such as scriptwriter, costume designer, lighting designer, director, and producer. This course is designed for theatre students who are willing to devote significant time outside of class to work on projects such as editing digital video, creating models of sets, and memorizing blocking.

**Introduction to Journalism / Photojournalism** (2120) One Credit, Half Block Grades 9, 10, 11, 12

This course offers students an introductory look at journalism in a digital age. Course content focuses on journalistic writing and editing, press law and ethics, media literacy and photograph. Quality student work may be published in *Cardinal TV Broadcasting* and *Newtonia*, the student-produced broadcast and yearbook publications. Upon completion of this course with a passing grade, students are eligible to join Cardinal TV Broadcasting or Yearbook.

**Newspaper** (2131, 2132)

Two Credits, Half Block

Grades 10, 11, 12

*Prerequisites: Intro to Journalism/Photojournalism or Instructor Approval**Not offered for the 2021/2022 school year*

This course involves the production of The Cardinal Chronicle, the student newspaper. Students develop and use the skills they learned in Intro to Journalism to keep the faculty and student body informed and entertained in a responsible, journalistic manner. The course may be repeated for elective credit. Second semester freshmen may enroll with instructor's approval. Priority will be given to upper classmen who have met prerequisites.

**Yearbook/Cardinal TV Broadcasting** (2151, 2152) Two Credits, Half Block

Grades 10, 11, 12

*Prerequisites: Intro to Journalism/Photojournalism or Instructor Approval*

Students in yearbook are responsible for planning, writing, editing, designing, and completing one volume of the Newtonia, the NHS yearbook or the production of Cardinal TV Broadcasting. Students develop and use the skills they learned in Photojournalism to record a history of the school year for students, faculty, and staff in a responsible journalistic manner. The course may be repeated for elective credit. Priority will be given to upper classmen who have met prerequisites.

**Advanced Speech and Communication** (2030) One Credit, Half Block

Grades 11, 12

*Will not be offered in the 2021-2022 school year*

This course is designed to give students experiences in a variety of speaking and listening situations. Attention is given to topic selection, research, speech preparation and speech presentation. As time permits additional emphasis is placed on any of a variety of communication experiences including interpersonal communication, listening skills, interview techniques, informative speaking, and persuasive speaking. Students will practice presenting a variety of speeches to the class. The speaking situation is considered from the listener's viewpoint as well as the speaker's, thus giving the student experience in evaluating the speeches of others as well as in the writing of speeches. The class should be a benefit to anyone wanting to improve his or her communication skills, especially those considering majors or careers in communication related fields.

**Reading Skills I** (7301, 7302)

Two Credits, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Teacher Approval*

This course is designed for students with significantly lower than peer language arts skills. The course will provide students with instruction and application practice of the Kansas University Strategies at a level for them to understand, learn, and advance their language arts abilities in Vocabulary, Prediction, Bridging, Thinking/Reading, and Summarization. Students will also receive instruction and application practice in the beginning stages of the Fundamentals of Sentence Writing Strategies and of the Paragraph Writing Strategies. Enrollment in this class will be considered by teacher approval only.

**Reading Skills II** (7303, 7304)

Two Credits, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Teacher Approval*

This course is designed for students with 5<sup>th</sup> and 6<sup>th</sup> grade level skills in language arts skills. This course will provide students with instruction and application practice of the Kansas University Strategies at a level where they can understand, learn, and advance their Language Arts abilities. This will include 5<sup>th</sup> and 6<sup>th</sup> grade level Vocabulary, Prediction, Bridging, Thinking/Reading, and Summarization. Students will also receive instruction and application practice in Fundamentals of Sentence Writing Strategies and Paragraph Writing Strategies. Enrollment in this class will be considered by teacher approval only.

**Language Arts Skills** (7351, 7352, 7353, 7354)

Two Credits, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Extended Core Student*

This course is designed for students with significantly lower than peer language arts skills. This is a credited class where students will work towards improving their targeted areas of need in language arts and help meet the state core language arts requirements. This course provides individualized student instruction in basic language arts skills. These may include comprehension skills, fluency skills, writing skills, vocabulary skills, and word recognition. Enrollment in this class is considered by teacher approval only.

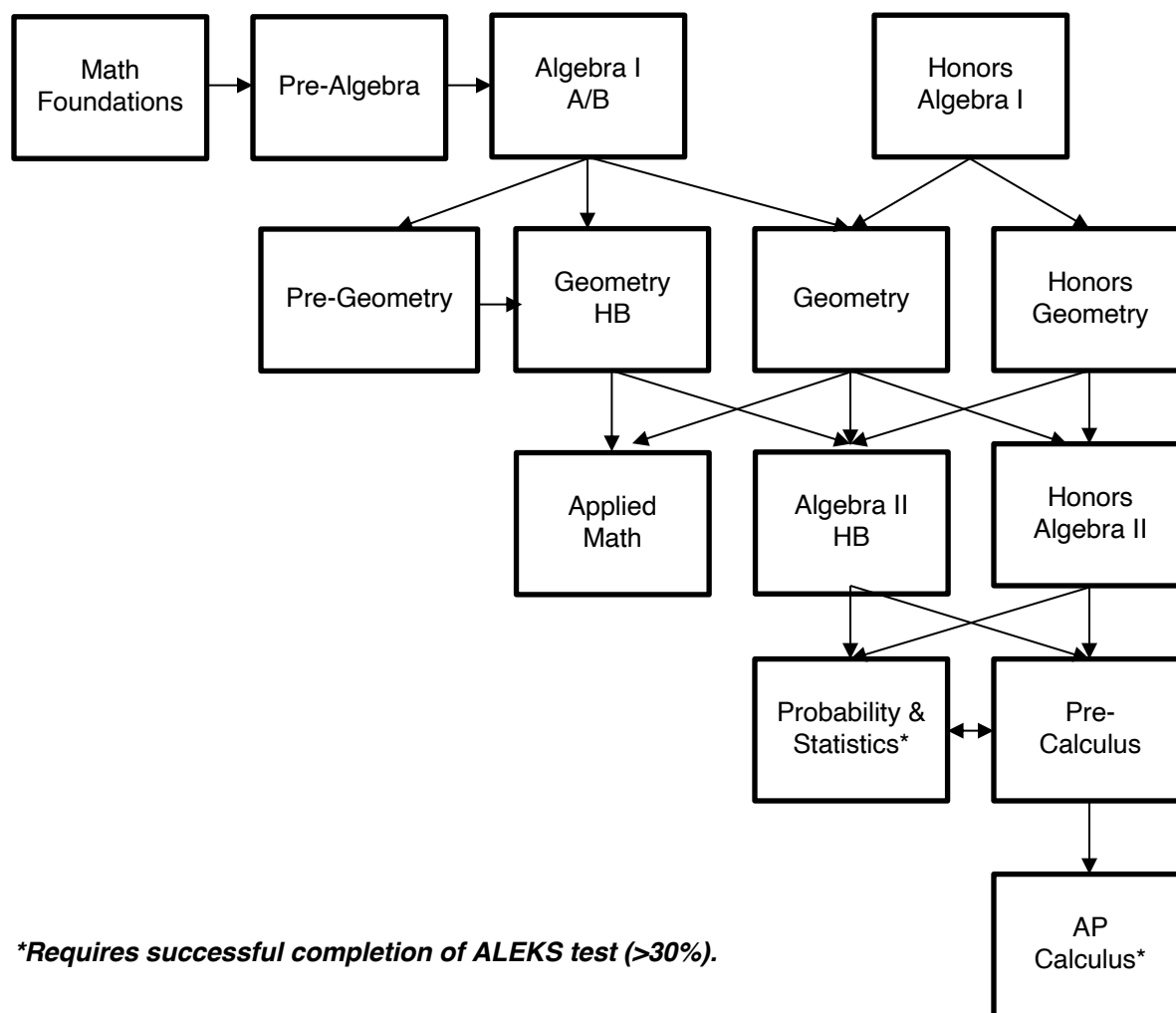


## MATHEMATICS

Mathematics courses at Newton Senior High are designed to provide a wide variety of mathematical concepts while showing the interrelationships between mathematics and other disciplines. Mathematics will provide students with the basic skills needed for everyday life, for the career of their choice, or for continued education. The department provides a variety of well-planned and sequential mathematics courses that allow for individual needs and differences. Hopefully, the student will develop an interest and appreciation for mathematics and be able to relate topics to their place in history.

Incoming freshmen should take a mathematics course each semester of their freshman year. They will generally enroll in Algebra I A or Honors Algebra I first semester (depending upon their mathematics background and aptitude) and then Algebra I B or Honors Geometry second semester. Algebra I, Geometry, and Algebra II are minimally suggested courses for students planning on attending college following high school graduation. Pre-Algebra is the equivalent of 8<sup>th</sup> grade math.

*Graduation Requirements: Six credits*



**Math Foundations** (4501, 4502)

Two Credits, Half Block

Grades 9, 10

Math Foundations is a basic math class that covers operational skills required for success with Algebra and Geometry content. Math Foundations will cover number theory, fractions, ratios and proportions, rational numbers, and integers. This course is intended for students who need extra practice before moving into working with variables in Algebra.

**Pre-Algebra** (4511)

One Credit, Half Block

Grades 9, 10

Pre-Algebra is intended to strengthen freshman students' mastery of concepts and skills necessary for success in the high school Iowa Core mathematics courses. It provides a general introduction to the study skills and mathematics necessary at the high school level while covering algebraic topics including real number operations on expressions, linear equations and inequalities, and linear graphs. This course corresponds to 8<sup>th</sup> grade math.

**Algebra I A/B** (4601A, 4602B)

Two Credits, Half Block

Grades 9, 10, 11, 12

This course completes the first course in the college preparatory mathematics sequence, Algebra I. It will include a review of linear equations and inequalities but focus primarily on operations with quadratic equations and polynomials. This course will also examine the applications of these algebraic skills across other mathematical fields, including basic geometry, probability, and statistics. This is the initial course in meeting the Iowa Core High School Standards.

**Honors Algebra I** (4611)

One Credit, Half Block

Grades 9, 10, 11, 12

Honors Algebra I is designed for the advanced college-bound student. It is an introduction to the Honors program for those students that were successful with Algebra at the 8<sup>th</sup> grade level. In addition to a review of the topics of Algebra I, students will be introduced to a variety of advanced algebraic techniques and applications including factoring, rational expressions, exponentials, and statistical analysis.

**Pre - Geometry** (4680)

One Credit, Half Block

Grades 9,10

*Prerequisite:* previous completion of Pre-Algebra and Algebra 1, students who have completed Geometry are ineligible to enroll.

Pre-Geometry is intended to strengthen students' mastery of concepts and skills necessary for success in the High School Iowa Core mathematics courses. It provides a general introduction to the study skills and mathematics necessary at the high school level while covering geometry topics including defining angles, circles, surface area and volume, transformations, triangles, polygons, and the Pythagorean Theorem. This course does NOT replace Geometry in the four-year college admission requirements.

**Geometry** (4690)

Two Credits, Block

Grades 10, 11, 12

*Prerequisite:* Algebra I

Geometry is the second course in the college preparatory mathematics sequence. Students will apply a variety of problem solving procedures, along with mathematical thinking and reasoning to solve problems involving geometric concepts. Topics will include inductive and deductive reasoning, relationships of points, lines, and planes, and properties of triangles, quadrilaterals, polygons, and circles. Technology will be used throughout the course. This is the second course in meeting the Iowa Core High School Standards.

**Geometry** (4691, 4692)

Two Credits, Half Block

Grades 10, 11, 12

*Prerequisite:* Algebra I

Geometry is the second course in the college preparatory mathematics sequence. Students will apply a variety of problem solving procedures, along with mathematical thinking and reasoning to solve problems involving geometric concepts. Topics will include inductive and deductive reasoning, relationships of points, lines, and planes, and properties of triangles, quadrilaterals, polygons, and circles. Technology will be used throughout the course. This is the second course in meeting the Iowa Core High School Standards. The half block class is intended for those students who may be more successful in this format.

**Honors Geometry** (4730)

Two Credits, Block

Grades 9, 10, 11, 12

*Prerequisite: Honors Algebra I or high grades in Algebra I: recommended for students planning to take Pre-Calculus and/or AP Calculus while in high school.*  
*Instructor recommendation.*

Honors Geometry is designed for the advanced college-bound student. It is accelerated and more intense when compared to regular Geometry and covers more topics at a quicker pace. In addition to the topics of Geometry, students will be introduced to logic, voting methods, discrete topics, probability and statistical analysis.

**Applied Math** (4591, 4592)

Two Credit, Half Block

Grades 11, 12

*Prerequisite: Approval from math and industrial arts department.*

Applied Math is intended for students who are planning to attend a trade school. This course does NOT satisfy requirements for entry into a four year college. The course will cover algebraic and geometric skills needed for CTE careers. The topics that will be covered include measurement, angles, geometric shapes, area, volume, linear equations, and ratios/proportions.

**Probability and Statistics** (5070)

One Credit, Half Block

Grades 11, 12

*Prerequisite: Above average grades in Algebra II or Honors Algebra II*

*\*Requires successful completion of ALEKS test (>30%).*

Probability and Statistics is an elective course that acquaints the student with methods of gathering, organizing, and analyzing descriptive statistics with the underlying principles of probability. Topics will include exploring data, normal distributions, graphic relationships, sampling, randomness, binomial and geometric distributions, and sampling distribution. Students will use technology, including graphing calculators, to facilitate computational processes. **Offered for college credit. DMACC Course MAT 157 (4 credits)**

**Algebra II** (4621, 4622)

Two Credits, Half Block

Grades 10, 11, 12

*Prerequisite: Algebra I*

Algebra II is the third course in the college preparatory mathematics sequence. It briefly reviews the topics covered in Algebra I and introduces the student to higher level topics in mathematics. Topics will include quadratic functions, polynomial functions, exponential and logarithmic functions, graphing of rational functions, normal distribution of data, fundamental probability principles, and trigonometry. This course is recommended for those students who do not plan on taking Pre-Calculus and/or Calculus. This is the third course in meeting the Iowa Core High School Standards.

**Honors Algebra II** (4630)

Two Credits, Block

Grades 10, 11, 12

*Prerequisites: Grade of B- or higher in Algebra I and Geometry or Honors Geometry: recommended for students planning to take Pre-Calculus and/or AP Calculus while in high school.*

Honors Algebra II is designed for the advanced college-bound students. It is accelerated and more intense when compared to regular Algebra II and will cover more topics at a quicker pace. In addition to the topics of Algebra II, students will be introduced to trigonometry functions, trigonometry graphs, trigonometric identities, and sequences and series.

**Pre-Calculus** (4830)

Two Credits, Block

Grades 11, 12

*Prerequisite: Above average grade in Algebra II or Honors Algebra II: recommended for college-bound students.*

Pre-Calculus is the fourth course of the college preparatory mathematics sequence. It briefly reviews the topics covered in Algebra II and develops the basic understanding and manipulative skills that are essential for success in Calculus and beyond. Topics will include function operations over the categories of rational, exponential, logarithmic, conic sections, and trigonometric concepts. The student will also cover analytic geometry, vectors, polar coordinates, and complex number operations.

**Advanced Placement Calculus** (4890)

Two Credits, Block

Grades 11, 12

*Prerequisite: Above average grade in Pre-Calculus.**Students who do not pass Term 1 should consider retaking Pre-Calculus.**\*Requires successful completion of ALEKS test (>30%).*

AP Calculus is a college level, advanced high school mathematics course. It is designed to develop a basic understanding of differential and integral calculus. Topics include a review of pre-calculus fundamentals, limits and continuity, and differentiation and integrations techniques and applications. Technology, including graphing calculators, will be used throughout the course. **Offered for college credit** and students may elect to take the AP test. **DMACC Course MAT 211 (5 credits)**

**Math Skills** (7411, 7412, 7413, 7414)

Two Credits, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Teacher Approval*

This course is designed for students with significantly lower than peer mathematics skills. This course provides individualized student instruction ranging from basic math skills to the application of mathematical concepts needed to make wise consumer decisions. Enrollment in this class will be considered by teacher approval only.



## MUSIC

The primary purpose of the music curriculum of Newton High School is to provide a program of music education which contributes to the development of cultural and aesthetic values appropriate for high school students. These values are taught through large performing groups, small ensembles, and music theory. Students who participate in the courses from year to year will be provided a variety of musical experiences with emphasis on the study and performance of selected musical literature representative of a wide range of periods, styles, nationalities, forms, composers, and media.

Students participating in music are provided the opportunity to develop musical talents to their full potential. Participation in the music curriculum will increase student understandings and appreciations of the art of music and its relevance to human life. Additionally, the goal of the music curriculum is the discovery and development of each student's aptitudes so that music will permanently enhance the quality of the individual's life whether the student continues musical activity as a vocation, avocation, or for personal pleasure.

### Music Programs

Instrumental	Vocal	General
Band (9 <sup>th</sup> – 12 <sup>th</sup> )	Bass Choir (9 <sup>th</sup> – 12 <sup>th</sup> )	Music Theory (9 <sup>th</sup> – 12 <sup>th</sup> )
	Treble Choir (9 <sup>th</sup> – 12 <sup>th</sup> )	Jazz Techniques (9 <sup>th</sup> – 12 <sup>th</sup> )
	Chamber Choir (10 <sup>th</sup> – 12 <sup>th</sup> )	Colorguard (9 <sup>th</sup> – 12 <sup>th</sup> )

**Band** (5111, 5112)

2.5 Credits, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Proficiency in playing an instrument*

*NOTE: First semester band, which includes marching band, will earn 1.5 credits.*

High School band is made up of a variety of ensembles including Marching Band, Wind Ensemble, Symphonic Band, Jazz Ensemble, Jazz Lab, and Pep Band. In addition to these ensembles members will have the opportunity to participate in honor bands, all-state, and solo/ensemble contest.

**9<sup>th</sup> grade students are required to participate in band for the full year.**

**10-12<sup>th</sup> grade students are strongly encouraged to participate in band the full year.**

Marching band is a highly visible and competitive ensemble that operates from the beginning of the school year until the middle of October. The marching band performs at all home football games and at 4 competitions per year. Two marching band camps will be held during the summer to prepare the students for the marching band season. One will be at the end of June and the other will be in late July or early August. Participation in these camps is expected as part of the class. Drum line and Colorguard members have additional rehearsals throughout the summer. During the school year the marching band will rehearse before school Monday through Friday.

Concert band begins in the middle of October and continues until the end of the school year. Auditions for the Wind Ensemble and Symphonic Band will take place immediately after marching band is over. Both ensembles will work to refine the skills of tone production, technique, rhythm, intonation, and musicianship. Concert band rehearsals will take place during the school day unless performance demands require additional rehearsal time. **Students participating in band 2<sup>nd</sup> semester only, will be placed in the Symphonic Band.**

Jazz Ensemble and Jazz Lab are extra-curricular ensembles that work in conjunction with the high school band department. All rehearsals will take place outside of the school day. **All students, excluding bass, piano and guitar players, must be enrolled in band for both semesters to be a member of a jazz band. (This is a state rule.)** The band department travels a lot during the school year and every four years will take a major trip to perform in a national setting. **Students must participate in band the full year to attend the major band trip.** Past trips have included New York City, Orlando, and Washington, D.C.

**Colorguard** (5151)

One Credit, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Audition*

Colorguard is an auxiliary group that performs with the Marching Band. Students selected for Colorguard, but not in Band, should schedule Colorguard to guarantee a rehearsal time with the Band during first term. Colorguard meets term one during block 1A. Outside school rehearsals and summer rehearsals are required.

**Bass Choir** (5341, 5342)

Two Credits, Half Block

Grades 9, 10, 11, 12

Bass Chorale is a full credit ensemble made up of 9<sup>th</sup> – 12<sup>th</sup> grade tenors and basses. Students will develop a musical vocabulary, healthy vocal technique, sight reading skills, and artistry in preparation for performance and for membership in Chamber Choir. This group participates in several concerts throughout the year, including Fall Festival, Winter Concert, Pops Concert, Spring Concert and attends the State Large Group contest in the spring.

**Treble Choir** (5351, 5352)

Two Credits, Half Block

Grades 9, 10, 11, 12

Treble Choir is a full credit ensemble made up of 9<sup>th</sup> – 12<sup>th</sup> grade sopranos and altos. Students will develop a musical vocabulary, healthy vocal technique, sight reading skills, and artistry in preparation for performance and for membership in Chamber Choir. This group participates in several concerts throughout the year, including Fall Festival, Winter Concert, Pops Concert, Spring Concert and attends the State Large Group contest in the spring.

**Chamber Choir** (5361, 5362)

Two Credits, Half Block

Grades 10, 11, 12

Chamber Choir is an audition only mixed ensemble emphasizing vocal development and musical technique. Auditions will be held in the spring semester for the following school year. Any current freshman through junior who will be a sophomore through senior in the following school year may audition for this choir. The results of choir rehearsals are heard in concerts throughout the school year, including Fall Festival, Winter Concert, Pops Concert, Spring Concert, and Graduation. Jazz Choir is a co-curricular ensemble that operates within the choir department. Jazz Choir is open through auditions in the fall and rehearses outside the school day from November through April. Any singer registered for a curricular choral ensemble is eligible to audition. Jazz Choir will perform at concerts and vocal jazz competitions throughout the school year.

**Music Theory** (5400)

One Credit, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Prior Musical Experience and Teacher Recommendation*

Music Theory is an introductory study of the structure and fundamentals of music. It is an elective course planned for any student desiring a more thorough understanding of music based upon knowledge of the techniques and skills involved in its structure. The course is conducted in a laboratory manner with emphasis on writing and analysis. Theoretical problems are explained as students encounter them and creative work is encouraged. Students who participate in this course should acquire the necessary skills for effective musical expression.

**Jazz Techniques** (5420)

One Credit, Half Block

Grades 9, 10, 11, 12

*Prerequisites: Music Theory. Students should be familiar with all twelve major scales on their instrument with six to seven of these memorized.*

Jazz Techniques is designed to expose students to the history, theory, and fundamentals of performing instrumental jazz music. The focus of Jazz Techniques is on improvisation and/or rhythm section playing in small groups. Instruction and assessments will be given in the areas of jazz history, jazz theory, and jazz language skills and acquisition. Students will have opportunities to rehearse individually, in combo group settings, and with pre-recorded rhythm section backgrounds. Forms for assessment will include in class performance, written tests and quizzes, transcription projects, and portfolios.

## PHYSICAL EDUCATION

All students are required by state law to participate in physical education classes each year they are in attendance. An effort is made to provide a variety of classes and activities to meet the needs and interests of as many students as possible. The target outcome of the Physical Education class is to meet the following National PE Standards:

The physically literate individual shall:

1. Demonstrate competency in a variety of motor skills and movement patterns.
2. Apply Knowledge of concepts, principles, strategies, and tactics related to movement and performance.
3. Demonstrate the knowledge and skills to achieve and maintain a health-enhancing level of physical activity and fitness.
4. Exhibit responsible personal and social behavior that respects self and others.
5. Recognize the value of physical activity for health, enjoyment, challenge, self-expression, and/or social interaction.

*National Standards for K-12 Physical Education Copyright 2013, SHAPE America –Society of Health and Physical Educators, 1900 Association Drive, Reston, VA 20191, [www.shapeamerica.org](http://www.shapeamerica.org).*

Students whose religious beliefs conflict with Physical Education instruction may be excused through a written request submitted to the Principal annually. (Board Policy 602.11)

Graduation Requirements: Four credits.

9 <sup>th</sup> Grade	10 - 12
<ul style="list-style-type: none"> <li>• PE 9</li> <li>• Strength and Conditioning 9</li> </ul>	<ul style="list-style-type: none"> <li>• Personal Fitness</li> <li>• Strength and Conditioning</li> <li>• Advanced Strength and Conditioning</li> <li>• PE 10-12</li> </ul>

### **Physical Education 9 (5510)**

One Credit, Block

Grade 9

An introductory class designed to give an exposure to different activities offered in the high school Physical Education curriculum. This class will have a mixture of Team, Individual, and Fitness activities that the student will be exposed to. The state CPR requirement will also be covered in this course.

### **Strength and Conditioning 9 (5520)**

One Credit, Half Block

Grade 9

This course is designed to give freshman an introduction to Strength and Conditioning at Newton High School. Students will be introduced to all phases of a high school level strength and conditioning program, building upon their knowledge gained from extracurricular activities and Cardinal Power. The main focus will be upon athlete development and the use of Olympic weightlifting techniques. The state CPR requirement will also be covered in this course.

### **Personal Fitness (5620)**

One Credit, Half Block

Grades 10, 11, 12

Personal Fitness is a physical education class that focuses on moving, and learning about different ways to stay physically active throughout the lifetime. Daily walking/jogging, cardiovascular activities, resistance strength training, and core conditioning are the primary activities. A healthy eating lifestyle is addressed.

### **Strength and Conditioning (5811, 5812)**

One Credit, Half Block

Grades 10, 11, 12

This course is designed to help improve a person's overall muscular strength and muscular endurance. This class is designed as an introductory class on weight lifting methods, and for students wanting to lift weights for fitness. There is a special emphasis on technique learning the basics of program design, and helping students prepare for a lifetime of physical activity. The student will be required to track their improvement through Teambuildr, with max testing performed throughout the semester to monitor improvement.

**Advanced Strength and Conditioning** (5821, 5822) 1 Credit, Half Block Grades 10, 11, 12

*Prerequisite: Strength and Conditioning 9 or Strength and Conditioning, Instructor Approval*

This course is specifically designed to help a person train for athletics. We emphasize functional strength and movement skills to help a person be the best athlete that they can be. Additional topics will also include team-building, leadership, and nutrition. Highly recommended for students participating in athletics at NHS. This class is offered as an early bird class running from Starting at 7:00 AM, or during 4B. The 4B class will run through FLEX time unless a student has been requested to another class.

**PE 10-12** (5610) One Credit, Block Grades 10, 11, 12

This course provides an opportunity for a student to improve their health and fitness in a variety of settings. The student will participate in a variety of activities, and concepts such as strategies, teamwork, and competition will be stressed. Activities will be focused on sports that are common in rec league environments, and a student could participate in throughout their lifetime. Examples would be basketball, volleyball, flag football, etc. Activities offered will be dependent on the term.



## PRE-ENGINEERING

Project Lead The Way is a nation-wide program that exposes high school students to engineering concepts and careers. Through a series of three courses students can gain knowledge and experience, and can explore the many fields in engineering. Students will have the opportunity to take the first two courses on campus and then Digital Electronics with the local DMACC. Students who earn qualifying scores can gain college credit for the courses at a fraction of the normal cost.

The entire three-course strand is available to NHS students. Course sequence: Introduction to Engineering Design, Principles of Engineering, Digital Electronics (at DMACC).

**Introduction to Engineering Design (IED)** (4310)      Two Credits, Block      Grades 9, 10, 11, 12

*Prerequisite/Co-requisite: Algebra I*

*Offered alternating years*

This is a Pre-Engineering course where students use 3D solid modeling design software to help design solutions to proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Completion of this course will earn for the student Industrial Technology credit. **Offered for college credit. DMACC Course EGT 400 (4 credits)**

**Principles of Engineering (POE)** (4320)      Two Credits, Block      Grades 10, 11, 12

*Prerequisite/Co-requisite: Algebra I*

*Offered alternating years*

This survey course of engineering exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students have an opportunity to investigate engineering and high-tech careers and to develop skills and understanding of course concepts. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. This course is designed for 10<sup>th</sup> or 11<sup>th</sup> grade students. **Offered for college credit. DMACC Course EGT 410 (3 credits)**

**PLTW-Principles of Biomedical Science** (4340)      Two Credits, Block      Grades 10, 11

*Prerequisites: Completion of or concurrent enrollment in Biology*

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that lead to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. Students will be introduced to more than 20 biomedical professionals as they complete this course. **College credit: 3 transferrable credit for the University of Missouri Science and Technology.**

**PLTW-Human Body Systems** (4350)      Two Credits, Block      Grades 11, 12

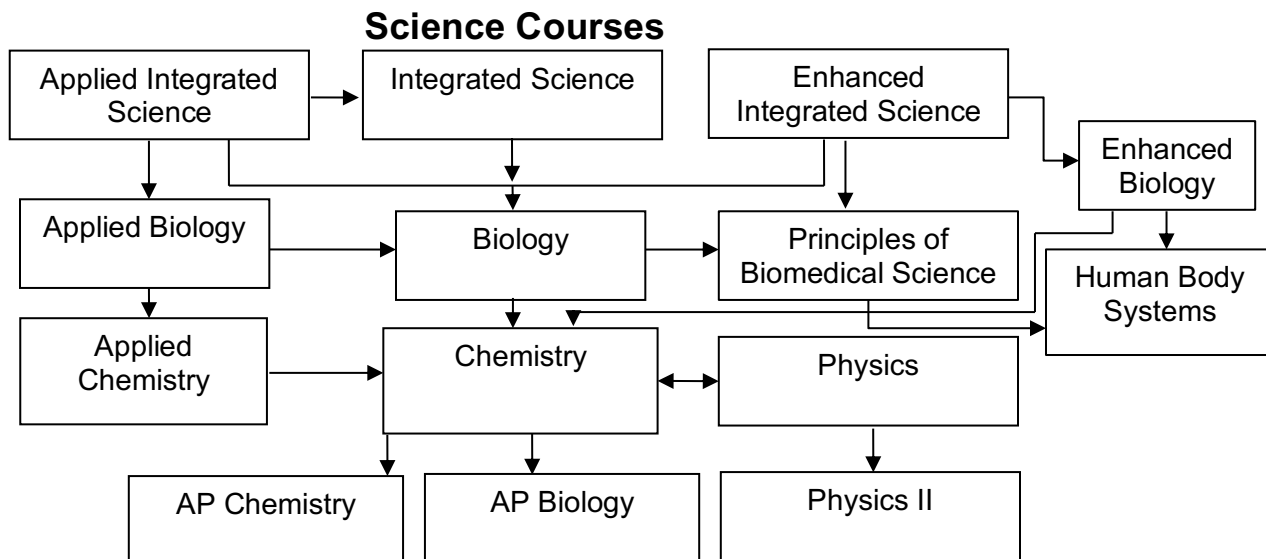
*Prerequisite: Principles of Biomedical Science*

This is the second course in the Project Lead the Way Biomedical science course of study. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This is an elective course and is not a substitute for any core requirement. **College credit: 3 transferrable credits from the University of Missouri Science and Technology.**

## SCIENCE

The health and strength of our nation, our position as a world leader, our economic productivity, and our quality of life are increasingly dependent on a strong scientific and technological enterprise. Newton High School offers students a variety of introductory and advanced science courses to meet this need.

*Graduation Requirements: Two credits in either Applied, Integrated, or Enhanced Integrated Science, and four additional elective science credits.*



Follow the arrows for the recommended sequence of courses.

**Applied Integrated Science** (6001, 6002) Two Credits, Half Block Grades 9, 10

This course is designed for students with low IA Assessment scores of 237 8<sup>th</sup> grade in science and low 8<sup>th</sup> grade science grades. The curriculum emphasizes the reinforcement of theories and practical applications of the basic concepts of physics and earth science. The curriculum also emphasizes hands-on activities and real world application of theory.

**Integrated Science** (6011, 6012) Two Credits, Half Block Grades 9, 10, 11, 12

*Prerequisite: Minimum IA Assessment reading score of 239 8<sup>th</sup> grade.*

Integrated Science is a course designed to continue the knowledge spiral curriculum begun in middle school. In this course students will study topics from the areas of physics and earth science in a manner that allows you to see the interconnections between them. Students will conduct many laboratory activities to gain a better understanding of these topics.

**Enhanced Integrated Science** (6021, 6022) Two Credits, Half Block Grade 9

*Prerequisite: Teacher Recommendation and a Grade of B- or Higher in 8<sup>th</sup> Grade Science.*

The core curriculum of this course is the same as that of Integrated Science, with many of the topics studied at a deeper level. Students will find themselves challenged at a high level and will be expected to meet rigorous standards.

**Applied Biology** (6030) Two Credits, Block Grades 10, 11, 12

*Prerequisite: Integrated Science or Applied Integrated Science and approval from Integrated Science Instructors.*

This course is designed for students with low IA Assessment scores in Science and low Integrated Science grades. *This course is not accepted by four-year colleges as fulfillment of the science credit pre-requisites for admission.* A majority of class time is spent completing labs designed to acquaint students with the variety, form, and function of living things. Some labs are designed to teach about the scientific method of investigation. Applied Biology will focus on the life sciences and units covered will be cells, genetics, evolution, ecology, and human systems.

**Biology** (6060) Two Credits, Block Grades 10, 11, 12

*Prerequisite: Integrated Science or Enhanced Integrated Science*

Biology is a course designed for those students who plan to attend a four-year college or university. A majority of class time is spent completing labs designed to acquaint students with the variety, form, and function of living things. Some labs are designed to teach about the scientific method of investigation. Major topics include ecology, cell biology, molecular biology, genetics, evolution, and human systems.

**Enhanced Biology** (6065A, 6065B) Two Credits, Block Grade 10

*Prerequisites: Completion of Enhanced Integrated Science with a grade of B or better, or Integrated Science with a grade of A or better and Integrated Science teacher recommendation.*

This course is designed to satisfy the required life science credit and allow students to accelerate their science pathway with the goal of taking more science electives in higher grades. Students who meet the prerequisites and who are interested in exploring career options in the medical field will also benefit from this course. Students will complete the Principles of Biomedical Science course as well as meet all essential Biology standard core concepts with the addition of ecology and evolution standards. See Principles of Biomedical Science for a description of this course. **This course will have homework. College Credit: 3 transferrable credits form the University of Missouri Science and Technology\*.**

**Advanced Placement Biology** (6091, 6092) Two Credits, Half Block Grades 11, 12

*Prerequisites: Chemistry and Biology*

AP Biology is a course for the student preparing to study the Life Sciences at the college level and/or take the AP exam. This course aligns with the College Board and will study scientific principles, theories and processes that govern living organisms. Inquiry based labs will expand on topics such as cell communication, heredity, gene expressions, ecology and natural selection.

**Applied Chemistry** (6140) Two Credits, Block Grades 10, 11, 12

*Prerequisite: Applied Biology or Biology*

This course is designed for students with low IA Assessment scores in Science and students that are not planning to attend a four-year college after high school. This Chemistry course will focus on the understanding of the structure of atoms, the structure and properties of matter, and basic chemical reactions. Students will actively participate in the scientific activities of observation, calculation, generalization, explanation, and application of chemical concepts. This course is not accepted by four-year colleges for freshmen admissions.

**Chemistry** (6150) Two Credits, Block Grades 10\* 11, 12

*Prerequisite: Algebra I and a Grade of C or higher in Integrated Science, Enhanced Integrated Science or Enhanced Biology. \*Sophomores who have completed Enhanced Biology*

This course is designed for students planning to attend a four-year university. Chemistry emphasizes the development of an understanding of how a chemist works rather than memorization of a mass of information. The unifying principles of chemistry are developed from experimental observation. Students actively participate in the scientific activities of observation, calculation, generalization, explanation and application and will develop a better appreciation for the scientific method as a tool for seeking true understanding. Topics covered may include chemical elements, atoms, molecules, chemical equations, gases, liquids, solids, atomic and electronic structure, chemical bonding, molecular structure, equilibrium, and acids and bases.

**Advanced Placement Chemistry** (6170) Fall Semester Two Credits, Block Grades 11, 12

*Prerequisite: Chemistry with a Grade of B- or Higher*

AP Chemistry is a course for the student interested in preparing for college chemistry or the AP chemistry exam. The course follows a curriculum that would prepare students for the exam in the spring. The fall block semester will include the exploration of gas laws, kinetics, equilibrium reactions, acid-base reactions, and electrochemistry. Laboratory experiences follow the AP chemistry format and expand on topics discussed in class. The fall semester of the course may be taken independently of the spring semester.

**Advanced Placement Chemistry** (6171) Spring Semester One Credit, Half Block Grades 11, 12

*Prerequisite: Chemistry with a Grade of B- or Higher*

The spring half block semester will include the exploration of organic chemistry, atomic structure, and molecular structure. The spring semester will also include preparation for the AP chemistry exam. All students in the spring class will be encouraged to take the AP chemistry exam.

**Physics** (6190)

Two Credits, Block

Grades 11, 12

*Concurrent Enrollment: Algebra II or Equivalent and Integrated Science or Enhanced Integrated Science*

Physics is a course which investigates the interactions in our universe between energy and matter. This broad description realistically includes the study of any natural phenomena. The following topics are covered in physics: kinematics, Newton's laws of motion, conservation laws, universal gravitation, kinetic theory, electrostatics, electric circuits, magnetism, waves and optics, and the atom and nucleus.

The physics classroom is dynamic with interaction between teacher and students encouraged through discussion, laboratory work, and problem solving sessions. Students are led to discover the laws of nature through experimentation, and given confidence in the predictability of natural phenomena. This course will only skim the very surface of the body of knowledge that is known as physics, but will give students interested in science and science related careers an excellent framework of knowledge and experiences.

**Physics II** (6210)

Two Credits, Block

Grades 11, 12

*Prerequisite: Physics*

Physics II is a course for those students desiring a second year of physics and possibly for those students interested in taking an Advanced Placement Examination in physics. The topics in Physics II are very similar to those covered in the first year of Physics, but at a deeper and more complex level. Some new topics are introduced. The course is flexibly structured to meet student interests in particular areas. The topics usually covered include the following: light and waves, kinematics and dynamics, momentum and energy, rotational motion, irreversible processes and entropy, electricity and magnetism, relativistic kinematics, atomic and nuclear physics, and high energy physics.

Because of the nature of the topics covered in this course more time is spent in lecture and discussion activities than on laboratory experiences.

**PLTW-Principles of Biomedical Science** (4340)

Two Credits, Block

Grades 10, 11, 12

*Prerequisites: Completion of or concurrent enrollment in Biology*

From design and data analysis to outbreaks, clinical empathy, health promotion, and more, students will explore the vast range of careers in biomedical sciences. Use concepts of biology and medicine as you take on roles of different medical professionals to solve real-world problems. Scenarios include investigating a crime scene to solve a mystery, diagnosing and proposing treatment for patients in a family medical practice, tracking down and containing a medical outbreak at a local hospital, stabilizing a patient during an emergency, and collaborating with others to design solutions to local and global medical problems. ***Optional College Credit: 3 transferrable credits from the University of Missouri Science and Technology\*.***

**PLTW-Human Body Systems** (4350)

Two Credits, Block

Grades 10, 11, 12

*Prerequisite: Principles of Biomedical Science*

This is the second course in the Project Lead the Way Biomedical science course of study. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases. This is an elective course and is not a substitute for any core requirement. ***Optional College Credit: 3 transferrable credits for the University of Missouri Science and Technology\*.***

***\*College credit is earned by achieving an A or B average for the semester as well as a minimum score on the PLTW end-of course exam. Before paying for credit (\$250 for three credits), students should check with their colleges of choice to determine transferability.***



## **COMPUTER SCIENCE**

### **Computer Programming I** (5010)

One Credit, Half Block

Grades 10, 11, 12

*Prerequisite: Algebra I*

This course is for students looking to develop the basic skills required to write computer programs. The focus lies on general programming skills and practices rather than learning any specific programming language. Variables, functions, methods, objects, and classes are covered. Object-oriented programming skills are mastered as students create animations, simulations, and simple versions of their favorite video games.

### **Computer Programming II** (5020)

One Credit, Half Block

Grades 11, 12

*Prerequisite: Computer Programming I or Instructor Approval*

This course is for students interested deepening their programming skills. Students will be exposed to a variety of languages to investigate the pros and cons of each. This is a project based course that requires students to meet project deadlines as they hone their programming skills. Students will be exposed to both graphical and texted based programming in various hardware environments including Arduino, Esplora, Raspberry Pi, and possibly other languages.

### **Science Skills** (7541, 7542, 7543, 7544)

Two Credits, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Teacher approval*

This course is designed for students with significantly lower than peer academic skills. This course will provide basic science skills. The class will provide students with instruction and application practice in different areas of science curriculum. Enrollment in this class will be considered by teacher approval only.

## SOCIAL STUDIES

The social studies curriculum includes courses which help students prepare for active, responsible participation in the world community. Through a study of various social, political, economic, and historical institutions, the social studies curriculum helps develop a better informed citizenry.

Students will develop skills to deal with social, political and economic problems that will confront them throughout their lives.

*Graduation Requirements: Six Credits: One credit from a Behavioral Studies course, One credit from World Studies course, One credit in Economics, Two credits in U. S. History, One credit in U. S. Government or AP Government*

### Social Studies Courses

Behavioral Studies	World Studies	Required Courses
Psychology	Ancient Greece and Rome (offered on rotational basis)	Global Studies
PSY111: Intro to Psychology	20 <sup>th</sup> Century Wars (offered on rotational basis)	Economics
Sociology		US History I
Social Psychology		US History II
		US Government or AP US Government

#### **Global Studies** (6450)

One Credit, Half Block

Grade 9

This will be an adventure studying the impact of geography on human history, from the beginning of time to the Modern Era. The curriculum is drawn from the book "Guns, Germs, and Steel", with supplementary work created at UCLA and Stanford University. This course is required for graduation.

#### **Ancient Greece and Rome** (6640)

One Credit, Half Block Grades 10, 11, 12

This course examines the dramatic successes and failures of the ancient Greeks and Romans while asking students to consider their impact on later societies, particularly on the founding of the United States. Through the use of both primary and secondary sources, students learn of the arrogance and violence of the Athenian Democracy, the fall of the Roman Republic, and the rise of Emperors.

#### **20<sup>th</sup> Century Wars** (6660)

One Credit, Half Block

Grades 10, 11, 12

This course invites students to consider how World War I shaped the modern world and influenced events that affect us to this very day. The Great War, the Russian Revolution, the rise of the Nazis, World War II, the Cold War, proxy wars, and the threat of international terrorism will all be explored from various perspectives. Upon completion of the course, students will have a better understanding of how past events shape the world we live in.

#### **Psychology** (6530)

One Credit, Half Block Grades 10, 11, 12

This course exists to help the students analyze and solve their problems with themselves and others. Basically, it tries to answer the question, "Why do people act the way they do?" Emphasis is placed on the biological and environmental influences on one's behavior, covering areas such as Personality, Sensation and Perception, Principles of Learning, Brain and Behavior, and Memory. The course becomes a valuable tool in helping students manage their lives.

Grades 10, 11, 12

*Prerequisites: Students must have one or more of the following: 21 ACT score or higher; 3.5 GPA or higher; 40% proficiency or higher in all three areas of writing, science, and reading on the IA Assessments; 10<sup>th</sup> grade students must be TAG eligible.*

This course is for those students wanting to earn college credit for their psychology class. PSY111 covers the same material as the regular psychology class, but has additional topics such as the life span, altered states of consciousness, motivation and emotion, psychological disorders, conformity, and attitude formation. Students who have already taken the regular Psychology class, may NOT take PSY 111.

**Offered for college credit. DMACC Course PSY 111 (3 credits)**

Grades 10, 11, 12

Sociology examines the ways people interact with one another and involves learning about relationships with one another. The class also involves learning about relationships with groups, such as your class; relationships in social institutions, such as your family; and the organization of societies, such as your own. Sociology also deals with vital issues and social problems. It is a young and dynamic science which is expanding rapidly all over the world as people seek to better understand themselves and their relationships with others.

Grades 11, 12

*Prerequisite: Psychology and/or Sociology*

Social Psychology is a course designed to be a bridge connecting Psychology and Sociology and to offer the opportunity to explore further into both sciences. It takes the psychology question of, "Why are people the way they are?" and expands it with the sociological view of how groups affect individual behavior. The course will cover topics such as the social self, constructing social reality, attribution, attitude, and prejudice and stereotyping. Social Psychology deals with issues that students will face throughout their lives and give them the tools to build their own pathways.

Grades 11, 12

United States History I is a survey class that addresses foundational principles and explores American history from the 1800s to early 1900s.

Grade 11

United States History II is a survey class that addresses foundational principles and explores American history from the early 1900s to the modern era.

Grade 12

United States Government is designed to provide students with an analytic perspective on the foundations and evolution of government and politics in the United States. This course is concerned with the nature of the American political system, its development over the past two centuries, and how it continues to function today. Its focus is the structure and function of the Constitution, the principle processes and institutions through which the political system functions, and the creation and implementation of public policy.

Grade 12

*Prerequisites: Grade of A- or higher in United States History I & II and Minimum of 3.25 GPA or Instructor Approval*

This course will be an advanced study of the United States Government and political systems. This course includes a challenging, focused look at the Constitutional underpinnings of our government, political beliefs and behaviors, public policy, civil rights and liberties, political parties, and other institutions of national government. It is an accelerated class with a curriculum based upon preparing students for the advanced placement test. The advanced placement tests are given in May.

**Economics** (6490)

One Credit, Half Block

Grades 11, 12

This course is a survey of economics that addresses macro- and microeconomic principles. The class is organized around major economic concepts with activities that relate to a variety of market situations and government economic issues on a domestic and international level. We will focus on how we fit into a world of infinite wants, but limited resources.

**Criminal Justice** (0601, 0602)

Five Credits, Block PLUS

Grades 11, 12

*Prerequisite: Sociology OR Psychology and four credits in science*

**This is a DMACC ACADEMY offering.** Students must register for the full year. The Criminal Forensics program introduces students to criminal law and crime scene investigation and prepares students for entry level into the criminal justice field. Sixteen DMACC credits are available upon completion of all DMACC Career Academy course offerings. ***Times: 7:30-9:30AM or 1:15-3:15PM***

**Social Studies Skills** (7611, 7612, 7613, 7614)

Two Credits, Half Block

Grades 9, 10, 11, 12

*Prerequisite: Teacher Approval*

This class is designed for students with significantly lower than peer academic skills. The class will provide students with instruction in different areas of the Social Studies curriculum. Enrollment in this class will be considered by teacher approval only.



## SPECIAL EDUCATION

Special Education provides educational opportunities for those students who have qualified for these services. Goals are set at a staffing, and an individualized educational plan is developed by a team that includes the parents, student, the Area Education Agency team, an administrator, the Special Education teacher, the classroom teacher and other support personnel. Through an ongoing monitoring and reassessment process, the student is provided those experiences which will lead to the full realization of each one's capability in regard to academic ability, social skills and vocational/career interests. Registration for special education courses will be conducted during individual conferences with the respective teachers.

**K.U. Strategies** (7221, 7222, 7223, 7224), Half Credit, Half Block Grades 9, 10, 11, 12  
**THIS IS NOT A STUDY HALL.** The Kansas University class, (K.U. Strategies), is a credited class where students will work towards their IEP targeted areas of need, specifically reading, writing, and math. In this class students will receive and practice skill building strategies to improve their academic abilities, which will help them be more successful in the general education environment.

**Social Skills** (7601, 7602) Two Credits, Half Block Grades 9, 10, 11, 12  
*Prerequisite:* IEP Identified Behavior Goal

This course will help students claim their self-esteem and help identify their individual talents. Students will develop skills for establishing responsibility and accountability. Students will also learn to interact with others in a positive manner.

**Experienced Based Career Education** (8010, 8020, 8030, 8040) One Credit, Block Grades 11, 12  
*Prerequisite:* Staffing Team and Teacher Approval.

Experience Based Career Education (EBCE) is an academically based work experience program designed to use the community as a classroom. Career exploration is a major component of the total program. EBCE is designed to allow students the opportunity to explore possible careers and to make them aware of the preparation needed for careers in which they are interested. Students in EBCE are placed at job sites for 1-2 hours per day. The average length of stay at a job site is 9 weeks. Students may experience two or more job sites per semester with a maximum length of stay at one site of 12 weeks. Students have weekly individual meetings with the EBCE Learning Center teacher to relate job site experiences with academic instruction, to evaluate the previous week's work, to plan the following weeks work and to work on career planning.

**Extended Core Program** (8601, 8602) Non Credited Grades 9, 10, 11, 12  
*Prerequisite:* Staffing Team Approval

The Extended Core Program at Newton Senior High School serves students that generally require special education instruction on a full-time basis. Functional, life and academic skills will be stressed in the classroom. Those skills may be expanded and practiced through extensive community based activities. All domain areas will be attempted: academic, vocational, recreation/leisure, community, and domestic. Students will be enrolled in other classes when appropriate depending upon their aptitudes, needs, and interests. Those classes most frequently include either regular or adaptive Physical Education, Music, Art, and Industrial Technology. The student's Individual Educational Program (IEP) will provide direction toward meeting established competency based graduation requirements.

**To be awarded a diploma:** Students will be expected to demonstrate competency in all the core requirements: Language Arts, Science, Mathematics, and Social Studies for all four years of high school. Students earning a diploma will be monitored by the staffing team (student, parent or guardian, teacher, AEA staff, and administrator) throughout the student's high school career. A decision regarding earning a high school diploma will be made, by the team, at any of the student's IEP annuals or reevaluation dates.

**To be awarded a certificate of completion:** Students will be expected to demonstrate progress in accordance with IEP goals related to: Reading, Communication, Mathematics, Consumer Economics, Community Mobility, Vocational Work Experience, Recreation and Leisure, Daily Living Skills, and Hygiene and Grooming. Students meeting these expectations will receive a certificate of attendance in lieu of a diploma at the completion of their high school career. A decision regarding earning a high school

certificate of completion will be made, by the team, at any of the student's IEP annuals or reevaluation dates.

**Extended Core Skill Courses:**

Reading Skills I (7301, 7302) Two Credits, Half Block Grades 9, 10, 11, 12

*Prerequisite for Extended Core students:* Teacher and IEP Team Approval.

*Prerequisite for General Education Peer students:* Teacher, Administration and IEP Team Approval.

This course is designed to build on prior knowledge and enhance student's abilities in the area of language arts. The course will provide students with instruction and application practice of the Kansas University Strategies at a level for them to understand, learn, and advance their language arts abilities in Vocabulary, Prediction, Bridging, Thinking/Reading, and Summarization. Students will also receive instruction and application practice in the beginning stages of the Fundamentals of Sentence Writing Strategies and of the Paragraph Writing Strategies. Enrollment in this class will be considered by teacher approval only.

**Reading Skills II** (7303, 7304) Two Credits, Half Block Grades 9, 10, 11, 12

This course is designed to challenge, build on prior knowledge, and enhance student's abilities in the area of language arts. This course will provide students with instruction and application practice of the Kansas University Strategies at a level where they can understand, learn, and advance their Language Arts abilities. This course will provide instruction in Vocabulary, Prediction, Bridging, Thinking/Reading, and Summarization. Students will also receive instruction and application practice in Fundamentals of Sentence Writing Strategies and Paragraph Writing Strategies. Enrollment in this class will be considered by teacher approval only.

**Language Arts Skills** (7351, 7352, 7353, 7354) Two Credits, Half Block Grades 9, 10, 11, 12

This course is designed to enhance student's abilities and build on their prior knowledge in the area of Language Arts. This is a credited class where students will work towards improving their targeted areas of need in language arts and help meet the state core language arts requirements. This course provides individualized student instruction in basic language arts skills. These may include comprehension skills, fluency skills, writing skills, vocabulary skills, and word recognition. Enrollment in this class is considered by teacher approval only.

**Math Skills** (7411, 7412, 7413, 7414) Two Credits, Half Block Grades 9, 10, 11, 12

*Extended Core Students Only*

This course is designed to enhance student's abilities and build on their prior knowledge in the area of Mathematics. This is a credited class where students will work towards improving their targeted areas of need in mathematics. This course provides individualized student instruction ranging from basic math skills to the application of mathematical concepts needed to make wiser consumer decisions. Enrollment in this class will be considered by teacher approval only.

**Science Skills** (7541, 7542, 7543, 7544) Two Credits, Half Block Grades 9, 10, 11, 12

*Extended Core Students Only*

This course is designed to enhance student's abilities and build on their prior knowledge in the area of Science. This is a credited class where students will work towards reaching the state core science standards. This course provides individualized student instruction in basic science areas. This may include Life Sciences, Earth Sciences, and Physical Sciences. Enrollment in this class will be considered by teacher approval only.

**Social Studies Skills** (7611, 7612, 7613, 7614) Two Credits, Half Block Grades 9, 10, 11, 12

*Extended Core Students Only*

This course is designed to enhance student's abilities and build on their prior knowledge in the area of Social Studies. This course provides individualized student instruction in the social studies curriculum. The areas covered may include Geography, History, and Government. This is a credited class where students will work towards reaching the state core social studies standards. Enrollment in this class will be considered by teacher approval only.

**Life Skills** (7801, 7802)

Two Credits, Half Block      Grades 9, 10, 11, 12

*Extended Core Students Only*

This course is designed to enhance student's abilities and build on their prior knowledge in the area of Life Skills. This is a credited class where students will work towards improving their life skills abilities. This course provides individualized student instruction in the Life Skills curriculum area. The areas covered may include grooming, social interactions, preparing meals, and any other areas in individual may need instruction in. Enrollment in this class will be considered by teacher approval only.

Art Skills (8710) Industrial Art Skills (8740) Music Skills (8750) Physical Education Skills (8760)

Prerequisites listed above

[illegible]



*Graduates have more class!*

