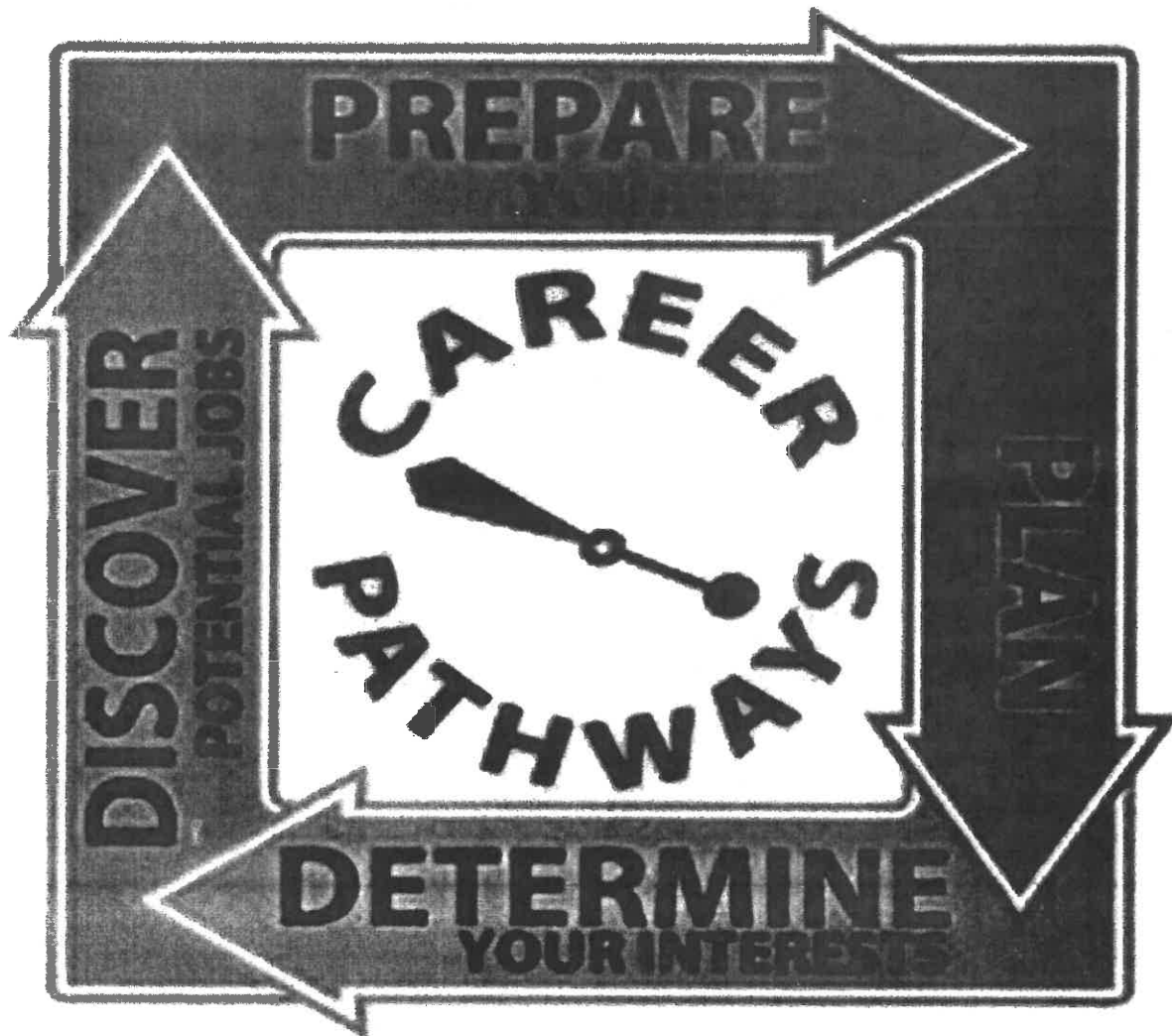


# WELLSBORO AREA HIGH SCHOOL

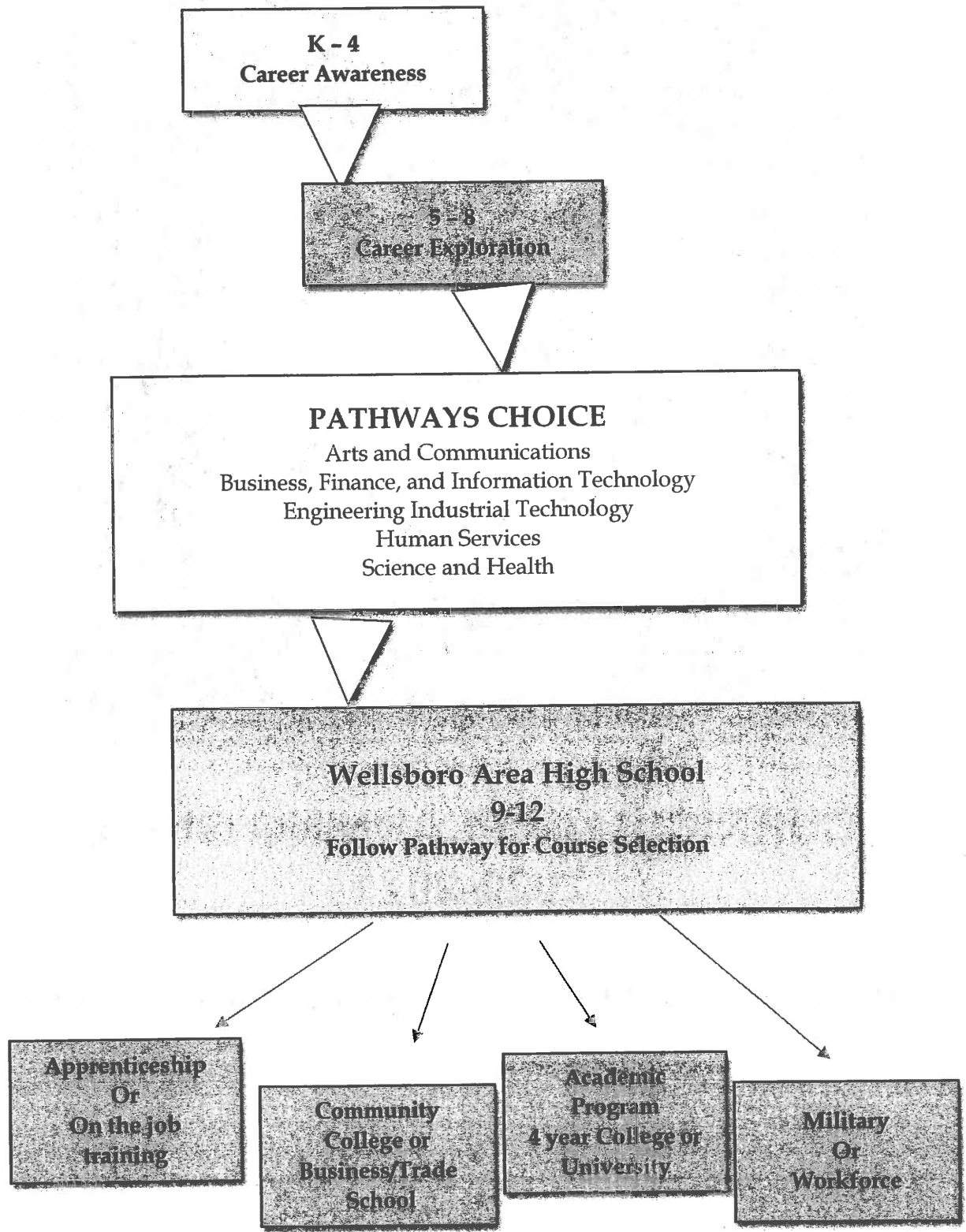


## CURRICULUM PLANNING GUIDE 2020-2021

Your Guide for Career Planning and Course Selection

# PATHWAYS TO SUCCESS

## WELLSBORO AREA SCHOOL DISTRICT



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**Each Pathway is a broad grouping of careers that share similar characteristics and whose employment requirements call for many common interests, strengths and competencies. A chosen Pathway focuses a student's elective courses toward preparing for a specific goal area.**

### **What are Career Pathways?**

### **Why should I choose a career pathway?**

- To help focus on a career area that matches interests in high school
- To help set goals and discover classes necessary to achieve those goals
- To create career awareness and encourage planning for postsecondary education and opportunities
- To provide knowledge that relates your high school education to the world after graduation

### **How do I choose a career pathway?**

- You will research various career fields in middle school and designated career development activities such as Futures I in grade 9.
- Your counselors, parents and teachers can assist you with this choice.
- You can complete the self-assessment in the Career Planning Guide

### **Will there be any change in my major academic studies?**

**No, you will still take all required core courses at AP, Honors, Academic and Applied levels. You will still follow the graduation requirements listed on page 25.**

# Self-Assessment – Who am I?

What do you want to be when you grow up? There are many adults who still don't know the answer to this question. How can they expect you to know?

One of the best ways to explore careers and get pointed in the right direction is to take an assessment test. These can measure things such as:

*•Interests •Skills •Values Personality*

The nice thing about these is that there are no wrong answers. Your likes and dislikes are very important in career planning. They will supply you with ideas about the types of jobs that might be a “best fit” for you. Since these assessments are only part of the entire career puzzle, the results might not be exactly what you expect. Use these results and other experiences to broaden your search and explore careers that you might not have otherwise considered.

The assessment that follows is based on the Holland Interest Inventory. At the end of the assessment you will have an interest profile that matches different career areas. Once you have completed and scored your results, you will get a primary and secondary pathway option for your future planning.

## Connecting Careers, Curriculum & Character Education

Wellsboro Area High School is committed to the integration of “Character” into the curriculum. Every department and pathway will promote the social, emotional, and ethical traits that will lead to the development of a students’ character. Service Learning opportunities will promote students’ character education through experiential learning, thus preparing students to become lifelong learners and active, productive members of the communities and society in which they live. The core character traits that will guide the Pathways to STING program are defined as follows:

### **SPEAK APPROPRIATELY:**

- Say nice things to others
- Speak respectfully

### **THINK POSITIVELY:**

- If at first I don't succeed try again
- You can do it

### **INSPIRE OTHERS:**

- Step up
- Speak up

### **NOTICE ACTIONS:**

- Encourage others

### **GO HORNETS:**

- School and community pride

# THE 5 PATHWAY OPTIONS



## ARTS AND COMMUNICATIONS (AC)

Designed to cultivate students' awareness, interpretation, application and production of visual, verbal and written work.

### Cluster Areas:

- Performing Arts (PA)
- Visual Arts (VA)
- Publishing Arts (PU)



## BUSINESS, FINANCE AND INFORMATION TECHNOLOGY (BFIT)

Designed to prepare students for careers in the world of business, finance and information services.

### Cluster Areas:

- Marketing, Sales and Service (MS)
- Finance (F)
- Business Management (BM)



## ENGINEERING AND INDUSTRIAL TECHNOLOGY (EIT)

Designed to cultivate students' interests, awareness and application to areas related to technologies necessary to design, develop, install or maintain physical systems.

### Cluster Areas:

- Construction and Architecture (CA)
- Manufacturing (M)
- Engineering and Engineering Technology (ET)
- Transportation, Distribution and Logistics (TDL)



## HUMAN SERVICES (HS)

Designed to cultivate students' interests, skills and experience for employment in careers related to familiar and human needs.

### Cluster Areas:

- Counseling and Personal Care (CPC)
- Education (E)
- Law, Public Safety and Government (PU)
- Hospitality and Tourism (HT)



## SCIENCE AND HEALTH (SH)

Designed to cultivate students' interests in the life, physical and behavioral sciences. In addition, the planning, managing and providing of therapeutic services, diagnostic services, health information and biochemistry research development.

### Cluster Areas:

- Health Science (HS)
- Agriculture, Food and Natural Resources (AFN)
- Science, Technology and Math (STM)



# ARTS AND COMMUNICATIONS (AC) PATHWAY

This Pathway is designed to cultivate students' awareness, interpretation, application and production of visual, verbal and written work.

## PATHWAY CLUSTER AREAS

◆ Performing Arts (PA) ◆ Visual Arts (VA) ◆ Publishing Arts (PU)

Are you interested in...	Can you...	Do you enjoy...
<ul style="list-style-type: none"> <li>• News Reporting and Writing</li> <li>• Interviewing and Reviewing</li> <li>• Multi-Media Productions</li> <li>• Acting</li> <li>• Radio, TV, Film, Video</li> <li>• Performing in a Band, Chorus</li> <li>• Attending Concerts</li> <li>• Drawing, Painting/Creative</li> <li>• Artwork</li> </ul>	<ul style="list-style-type: none"> <li>• Sing</li> <li>• Play an Instrument</li> <li>• Be Creative</li> <li>• Act</li> <li>• Articulate Clearly</li> <li>• Write and Conduct Interviews</li> <li>• Meet Deadlines</li> <li>• Sell</li> <li>• Draw</li> <li>• Sculpture</li> </ul>	<ul style="list-style-type: none"> <li>• Writing</li> <li>• Making Videos</li> <li>• Working with Film Props</li> <li>• Seeking Creative Ideas</li> <li>• Working with Sound Effects</li> <li>• Performing in Front of a <b>Live Audience</b></li> <li>• Work with Computers</li> </ul>

If you answered "yes" to most of these questions, you might consider a future in one of the sample occupations listed below based on their level of post-secondary training.

### SAMPLE CAREERS

Entry (OJT)	Technical/Skilled (1-3 yrs)	Professional (4 or +yrs)
<ul style="list-style-type: none"> <li>• Model (PA)</li> <li>• Radio Operator (PA)</li> <li>• Stage Hand (PA)</li> <li>• Stunt Performer (PA)</li> <li>• Announcers (PA)</li> <li>• Dancer (PA)</li> <li>• Film Loader (VA)</li> <li>• Photographer (VA)</li> <li>• Floral Designer (VA)</li> <li>• Florist (VA)</li> <li>• Sound Technician (VA)</li> <li>• TV, Video &amp; Motion Picture Operator (VA)</li> <li>• Desktop Publisher (PU)</li> <li>• Circulation (PU)</li> <li>• Copy Person (PU)</li> <li>• Newsroom Worker (PU)</li> </ul>	<ul style="list-style-type: none"> <li>• Actor (PA)</li> <li>• Book Illustrator (PA)</li> <li>• Choreographer (PA)</li> <li>• Dancer (PA)</li> <li>• Disc Jockey (PA)</li> <li>• Musician (PA)</li> <li>• Talent Agent (PA)</li> <li>• Animator (VA)</li> <li>• Artist (VA)</li> <li>• Broadcast Technician (VA)</li> <li>• Fashion Designer (VA)</li> <li>• Jeweler (VA)</li> <li>• Make-up Artist (VA)</li> <li>• Recording Engineer (VA)</li> <li>• Video Manager (VA)</li> <li>• Computer Graphic Artist (VA, PA)</li> <li>• Web Designer (PU)</li> <li>• Desktop Publisher (PU)</li> </ul>	<ul style="list-style-type: none"> <li>• Art or Music Teacher (PA)</li> <li>• Cinematographer (PA)</li> <li>• Composer (PA)</li> <li>• Film Editor (PA)</li> <li>• Multi-Media Artist (PA)</li> <li>• Music Critic (PA)</li> <li>• Music Director (PA)</li> <li>• News Broadcaster (PA)</li> <li>• Producer &amp; Director (PA)</li> <li>• Editor (PA)</li> <li>• Curator (VA)</li> <li>• Advertising Creator (VA)</li> <li>• Art Director (VA)</li> <li>• Interior Designer (VA)</li> <li>• Fashion Designer (VA)</li> <li>• Industrial Designer (VA)</li> <li>• Copy Writer (PU)</li> <li>• News Writer (PU)</li> <li>• Telecommunications (PU)</li> <li>• Writer (PU)</li> </ul>

## ARTS AND COMMUNICATIONS (AC) PATHWAY ELECTIVES

Please Note: Before selecting any elective, be sure all prerequisites have been met.  
Check the course description pages of this booklet for elective requirements.

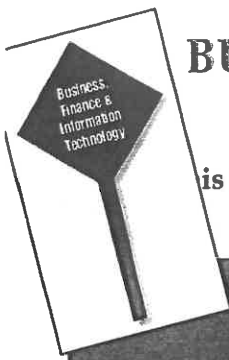
9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
<b>Intro to Art</b> <b>Music Theory</b> <b>9 Music</b> <b>Band</b> <b>Chorus</b> <b>Spanish 1</b> <b>French 1</b> <b>Freshman Seminar</b>	<b>Yearbook</b> <b>Drawing and Painting</b> <b>Spanish 2</b> <b>French 2</b> <b>Band</b> <b>Chorus</b>	<b>Adv. Drawing and Painting</b> <b>Photography</b> <b>Color and Design</b> <b>Band</b> <b>Chorus</b> <b>Oil Painting</b> <b>Journalism</b> <b>Yearbook</b> <b>School to Work</b> <b>Drafting</b> <b>Spanish 3</b> <b>Future Seminar</b>	<b>Adv. Drawing and Painting</b> <b>Photography</b> <b>Color and Design</b> <b>Band</b> <b>Chorus</b> <b>Oil Painting</b> <b>Journalism</b> <b>Yearbook</b> <b>School to Work</b> <b>Drafting</b> <b>Spanish 4</b> <b>Dual Enrollment Spanish</b>

## Career Development Transitional Opportunities Pathway Cluster Areas

◆ Performing Arts (PA) ◆ Visual Arts (VA) ◆ Publishing Arts (PU)

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
<b>Career Panels (All)</b> <b>Career Expo (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>Band/Jazz Band (PA)</b> <b>Chorus/Choraliers (PA)</b> <b>Plays/Musicals (PA)</b> <b>PA State Men's/Women's Hamilton-Gibson (PA)</b> <b>Summer Music Camps (PA)</b> <b>Honors ensembles (PMEA, ACDA, collegiate) (PA)</b> <b>Private music lessons (PA)</b>	<b>College Panels (All)</b> <b>Career Expo (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>Band/Jazz Band (PA)</b> <b>Chorus (PA)</b> <b>Plays/Musicals (PA)</b> <b>PA State Men's/Women's Honor Choir (PA)</b> <b>District/Regional Chorus (PA)</b> <b>Hamilton-Gibson (PA)</b> <b>Summer Music Camps (PA)</b> <b>Honors ensembles (PMEA, ACDA, collegiate) (PA)</b> <b>Private music lessons (PA)</b> <b>Tioga Publishing (PU)</b>	<b>Shadow Day (All)</b> <b>Post-Secondary Fair (All)</b> <b>ASVAB Test (All)</b> <b>Career Expo (All)</b> <b>Dual Enrollment (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>College Visits (All)</b> <b>Yearbook (PU)</b> <b>Band/Jazz Band (PA)</b> <b>Chorus/Choraliers (PA)</b> <b>Plays/Musicals (PA)</b> <b>PA State Men's/Women's Honor Choir (PA)</b> <b>District/Regional Chorus (PA)</b> <b>Hamilton-Gibson (PA)</b> <b>Tioga Publishing (PU)</b> <b>Summer Music Camps (PA)</b> <b>Honors ensembles (PMEA, ACDA, collegiate) (PA)</b> <b>Private music lessons (PA)</b>	<b>Senior Interview Workshop (All)</b> <b>Career Action Plan Presentation (All)</b> <b>Resume Workshop (All)</b> <b>Career Expo (All)</b> <b>Dual Enrollment (All)</b> <b>Internships (All)</b> <b>Work Experience (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>College Visits (All)</b> <b>Yearbook (PU)</b> <b>Band/Jazz Band (PA)</b> <b>Chorus/Choraliers (PA)</b> <b>Plays/Musicals (PA)</b> <b>PA State Men's/Women's Honor Choir (PA)</b> <b>District/Regional Chorus (PA)</b> <b>Hamilton-Gibson (PA)</b> <b>Summer Music Camps (PA)</b> <b>Honors ensembles (PMEA, ACDA, collegiate) (PA)</b> <b>Private music lessons (PA)</b> <b>Tioga Publishing (PU)</b>





# BUSINESS, FINANCE AND INFORMATION TECHNOLOGY (BFIT) PATHWAY

This Pathway is designed to prepare students in the world of business, finance and information services.

## PATHWAY CLUSTER AREAS

- ◆ Marketing and Sales (MS) ◆ Finance (F)
- ◆ Information Technology (IT) ◆ Business Management (BM)

Are you interested in...	Can you...	Do you enjoy...
<ul style="list-style-type: none"> <li>• A business environment</li> <li>• Office management</li> <li>• Sales</li> <li>• Computers and technology</li> <li>• Presentations to groups</li> <li>• Telecommunications</li> <li>• Advertising</li> <li>• Different work sites</li> <li>• Insurance</li> <li>• Record keeping</li> </ul>	<ul style="list-style-type: none"> <li>• Work easily with others</li> <li>• Organize your time efficiently</li> <li>• Work with statistics</li> <li>• Use computers and other technology</li> <li>• Pay attention to details</li> <li>• Solve problems</li> <li>• Work independently</li> <li>• Show initiative</li> <li>• Work on a team</li> </ul>	<ul style="list-style-type: none"> <li>• Meeting with groups</li> <li>• Making budgets</li> <li>• Organizing a project</li> <li>• Planning an event</li> <li>• Working with technology</li> <li>• Selling products and services</li> <li>• Processing numbers and figures</li> <li>• Preparing financial reports</li> <li>• Following directions</li> <li>• Learning new software programs</li> </ul>

If you answered "yes" to most of these questions, you might consider a future in one of the sample occupations listed below based on their level of post-secondary training.

### SAMPLE CAREERS

Entry (OJT)	Technical/Skilled (1-3 yrs)	Professional (4 or +yrs)
<ul style="list-style-type: none"> <li>• Customer Service</li> <li>• Representative (MS)</li> <li>• Shipping and Receiving Clerk (MS)</li> <li>• Telemarketer (MS)</li> <li>• Advertising Sales Agent (MS)</li> <li>• Bank Teller (F)</li> <li>• Cashier (F)</li> <li>• Payroll Clerk (F)</li> <li>• Title Searcher (F)</li> <li>• Computer Operator (IT)</li> <li>• Accounts Payable Office Mgr (BM)</li> <li>• Administrative Assistant (BM)</li> <li>• Data Entry (BM)</li> <li>• Retail Sales Clerk (BM)</li> <li>• School Secretary (BM)</li> <li>• Account Executive (BM)</li> </ul>	<ul style="list-style-type: none"> <li>• Computer Salesperson (MS)</li> <li>• Graphic Designer (MS)</li> <li>• Retail Tech (MS)</li> <li>• Bank Collection Officer (F)</li> <li>• Claims Adjuster (F)</li> <li>• Legal Secretary (F)</li> <li>• Tax Preparer (F)</li> <li>• Paralegal (F)</li> <li>• Computer Support Specialist (IT)</li> <li>• Software Engineer (IT)</li> <li>• Computer Programmer (IT)</li> <li>• Production Support Analyst (IT)</li> <li>• Desktop Publisher (IT &amp; MS)</li> <li>• Medical Secretary (BM)</li> <li>• Real Estate Agent (BM &amp; MS)</li> <li>• Restaurant Manager (BM &amp; MS)</li> <li>• Sales Representative (BM &amp; MS)</li> </ul>	<ul style="list-style-type: none"> <li>• Marketing Manager (MS)</li> <li>• Certified Public Accountant (F)</li> <li>• Economist (F)</li> <li>• Financial Manager (F)</li> <li>• Securities Sales Representative (F)</li> <li>• E-Commerce Analyst (IT)</li> <li>• Systems Software Engineer (IT)</li> <li>• Systems Analyst (IT)</li> <li>• Hospital Administrator (BM)</li> <li>• Human Resources</li> <li>• Manager (BM)</li> <li>• Chief Executive Officer (BM)</li> <li>• Manufacturing Sales Representative (BM &amp; MS)</li> <li>• Business Analysts (BM)</li> <li>• Project Manager (BM)</li> <li>• Sports &amp; Entertainment Agent (BM)</li> </ul>

## BUSINESS, FINANCE & INFORMATION TECHNOLOGY (BFIT) PATHWAY ELECTIVES

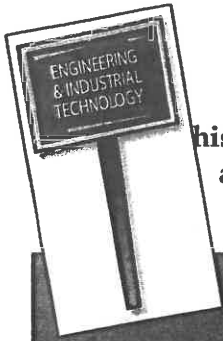
Please Note: Before selecting any elective, be sure all prerequisites have been met.  
Check the course description pages of this booklet for elective requirements.

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
<b>Spanish 1</b> <b>French 1</b> <b>Freshman Seminar</b>	<b>Accounting 1</b> <b>Spanish 2</b> <b>French 2</b> <b>Business Law</b>	<b>Accounting 2</b> <b>Business Management</b> <b>Spanish 3</b> <b>Financial Record Keeping</b> <b>Web Design</b> <b>School to Work</b> <b>Future Seminar</b>	<b>Spanish 4</b> <b>French 4</b> <b>Financial Record Keeping</b> <b>Web Design</b> <b>School to Work</b>

## Career Development Transitional Opportunities Pathway Cluster Areas

◆ Marketing and Sales (MS) ◆ Finance (F)  
◆ Information Technology (IT) ◆ Business Management (BM)

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
<b>Career Panels (All)</b> <b>Career Expo (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>Business Side of Sports-Crosscutters, LL (All)</b> <b>FBLA (All)</b>	<b>College Panels (All)</b> <b>Career Expo (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>PA Free Enterprise Week-Summer (BM, F, MS)</b> <b>Business Side of Sports-Crosscutters, LL (All)</b> <b>FBLA (All)</b>	<b>Job Shadow Day (All)</b> <b>Post-Secondary Fair (All)</b> <b>ASVAB Test (All)</b> <b>Career Expo (All)</b> <b>Dual Enrollment (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>College Visits (All)</b> <b>PA Free Enterprise Week-Summer (BM, F, MS)</b> <b>Accounting Career Day-(F)</b> <b>Careers in Video Gaming (IT)</b> <b>Business Side of Sports-Crosscutters, LL (All)</b> <b>FBLA (All)</b>	<b>Resume Workshop (All)</b> <b>Career Expo (All)</b> <b>Dual Enrollment (All)</b> <b>Internships (All)</b> <b>Work Experience (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>College Visits (All)</b> <b>Accounting Career Day- (F)</b> <b>Careers in Video Gaming (IT)</b> <b>Business Side of Sports-Crosscutters, LL(All)</b> <b>FBLA (All)</b>



# ENGINEERING AND INDUSTRIAL TECHNOLOGY (EIT) PATHWAY

This Pathway is designed to cultivate students' interests, awareness and application to careers related to technologies necessary to design, develop, install and maintain physical systems.

## PATHWAY CLUSTER AREAS

- ◆ Construction and Architecture (C) ◆ Manufacturing (M)
- ◆ Engineering and Engineering Technology (ET) ◆ Transportation, Distribution and Logistics (TDL)

Are you interested in...	Can you...	Do you enjoy...
<ul style="list-style-type: none"> <li>• Building and Construction</li> <li>• Tools, Equipment and Materials</li> <li>• Woodworking</li> <li>• Math and Science Classes</li> <li>• Fitness and Sports</li> <li>• Precision Work</li> <li>• Design and Architecture</li> <li>• Engineering</li> <li>• Computer Technology</li> <li>• Production Management</li> <li>• How things work</li> </ul>	<ul style="list-style-type: none"> <li>• Apply science and math to real world</li> <li>• Read and understand directions</li> <li>• Solve problems of a complex nature</li> <li>• Understand directives and read maps</li> <li>• Organize reports and people</li> <li>• See a task through to completion</li> <li>• Use a computer</li> </ul>	<ul style="list-style-type: none"> <li>• Travel</li> <li>• Working with your hands</li> <li>• Designing/working with projects, models and prototypes</li> <li>• Working in a lab setting</li> <li>• Working on a team</li> <li>• Building with your hands</li> <li>• Operating tools and equipment</li> <li>• Paying close attention to detail</li> </ul>

If you answered "yes" to most of these questions, you might consider a future in one of the sample occupations listed below based on their level of post-secondary training.

### SAMPLE CAREERS

Entry (OJT)	Technical/Skilled (1-3 yrs)	Professional (4 or +yrs)
<ul style="list-style-type: none"> <li>• Carpet Installer (C)</li> <li>• Drywall Worker (C)</li> <li>• Roofer (C)</li> <li>• Machine Operator (M)</li> <li>• Industrial Machine Mechanic (M)</li> <li>• Baggage Handler (TDL)</li> <li>• Dockworker (TDL)</li> <li>• Freight Handler (TDL)</li> <li>• Laborer (C, M, TDL)</li> <li>• Warehouse Worker (C, M, TDL)</li> </ul>	<ul style="list-style-type: none"> <li>• Grader &amp; Dozer Operator (C)</li> <li>• Electric Technician (M)</li> <li>• Metal Engineering Technician (M)</li> <li>• Supervisor (M)</li> <li>• Welder (M)</li> <li>• Civil Engineering Technician (ET)</li> <li>• Robotics Technician (ET)</li> <li>• CAD/CAM Technician (M &amp; ET)</li> <li>• Laser Technicians (M &amp; ET)</li> <li>• Auto Mechanic (TDL)</li> <li>• Air Traffic Controller (TDL)</li> <li>• Auto Body Repair (TDL)</li> <li>• Bus Driver (TDL)</li> <li>• Diesel Mechanic (TDL)</li> <li>• Dispatch (TDL)</li> <li>• Motorcycle Mechanic (TDL)</li> <li>• Taxi Driver (TDL)</li> <li>• Truck Driver (TDL)</li> <li>• Truck Terminal Manager (TDL)</li> </ul>	<ul style="list-style-type: none"> <li>• Construction Manager (C)</li> <li>• Cost Estimators (C)</li> <li>• Industrial Production Manager (M)</li> <li>• Purchasing Agent (M)</li> <li>• Astronaut (ET)</li> <li>• Nuclear Engineer (ET)</li> <li>• Petroleum Engineer (ET)</li> <li>• NASA Scientist (ET)</li> <li>• Chemical Engineer (ET)</li> <li>• Computer Network Engineering (ET)</li> <li>• Technical Writer (ET)</li> <li>• Architect (ET &amp; C)</li> <li>• Civil Engineering (ET &amp; C)</li> <li>• Industrial Engineer (ET &amp; M)</li> <li>• Mechanical Engineering (ET &amp; M)</li> </ul>
Apprenticeships		
<ul style="list-style-type: none"> <li>• Brick Mason (C)</li> <li>• Carpenter (C)</li> <li>• Electrician (C)</li> <li>• HVAC (C)</li> <li>• Plumber (C)</li> <li>• Machinist (M)</li> <li>• Surveyor (TDL &amp; ET)</li> </ul>		

<ul style="list-style-type: none"> <li>• Diesel Mechanic (TDL)</li> </ul>	<ul style="list-style-type: none"> <li>• Production &amp; Operating Workers</li> </ul>	<ul style="list-style-type: none"> <li>• Aeronautical Engineer (ET &amp; TDL)</li> <li>• Aerospace Engineer (ET &amp; TDL)</li> <li>• Airline Pilot (ET &amp; TDL)</li> <li>• Transportation Engineer (ET &amp; TDL)</li> <li>• Navigator (TDL)</li> </ul>
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## ENGINEERING & INDUSTRIAL TECHNOLOGY (EIT) PATHWAY ELECTIVES

Please Note: Before selecting any elective, be sure all prerequisites have been met.

Check the course description pages of this booklet for elective requirements.

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Intro to Art Woodworking Metal Computer Spanish 1 French 1 Freshman Seminar	Color and Design Electricity Woodworking Metal Photography Accounting 1 Chemistry Spanish 2 French 2	Drafting 1 Computer Programming Accounting 2 Business Management Chemistry School to Work Spanish 3 Future Seminar	Drafting 2 Web Design Computer Programming Business Management Physics School to Work Spanish 4 French 4

## Career Development Transitional Opportunities

### Pathway Cluster Areas

◆ Construction and Architecture (C) ◆ Manufacturing (M)

◆ Engineering and Engineering Technology (ET) ◆ Transportation, Distribution and Logistics (TDL)

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Career Panels (All) Career Expo (All) Guest Speakers in elective courses (All) Field Trips (All) Apprenticeship Expo (C)	College Panels (All) Career Expo (All) Guest Speakers in elective courses (All) Field Trips (All) Apprenticeship Expo (C) Careers in Video Gaming (M) GIS Day (ET) Engineering Day (ET) Transportation Technology Career Day (TDL)	Shadow Day (All) Post-Secondary Fair (All) ASVAB Test (All) Career Expo (All) Dual Enrollment (All) Guest Speakers in elective courses (All) Field Trips (All) College Visits (All) Mentoring Program (C, ET) Apprenticeship Expo (C) Careers in Video Gaming (M) GIS Day (ET) Engineering Day (ET) Transportation Technology Career Day (TDL)	Resume Workshop (All) Career Expo (All) Dual Enrollment (All) Internships (All) Work Experience (All) Guest Speakers in elective courses (All) Field Trips (All) College Visits (All) Mentoring Program (C, ET) Apprenticeship Expo (C) Careers in Video Gaming (M) Engineering Day (ET) Transportation Technology Career Day (TDL)



## HUMAN SERVICES (HS) PATHWAY

This Pathway is designed to cultivate students' interests, skills and experiences for employment in careers related to family and human needs.

### PATHWAY CLUSTER AREAS

- ◆ Counseling, Personal Care (CPC) ◆ Education (E)
- ◆ Law, Public Safety and Government (LPG) ◆ Hospitality and Tourism (HT)

Are you interested in...	Can you...	Do you enjoy...
<ul style="list-style-type: none"> <li>• Working with People</li> <li>• Owning Your Own Business</li> <li>• Aging Adults</li> <li>• Child Development</li> <li>• Family &amp; Social Services</li> <li>• Food Preparation</li> <li>• Teaching</li> <li>• Counseling</li> </ul>	<ul style="list-style-type: none"> <li>• Organize Well</li> <li>• Plan and Direct Programs</li> <li>• Be Creative</li> <li>• Communicate Well</li> <li>• Assume Leadership</li> <li>• Work with a Team</li> <li>• Use Inter-personal Skills</li> <li>• Be Conscientious and Dependable</li> <li>• Plan Budgets</li> </ul>	<ul style="list-style-type: none"> <li>• Communication Services</li> <li>• Helping and Protecting Others</li> <li>• Working with People</li> <li>• Counseling and Advising People</li> <li>• Serving Others' Needs</li> <li>• Interviewing People</li> <li>• Selling Products or Services</li> <li>• Handling Customer Complaints</li> <li>• Searching for Answers to Human Problems</li> </ul>

If you answered "yes" to most of these questions, you might consider a future in one of the sample occupations listed below based on their level of post-secondary training.

### SAMPLE CAREERS

Entry (OJT)	Technical/Skilled (1-3 yrs)	Professional (4 or +yrs)
<ul style="list-style-type: none"> <li>• Child Care Worker (CPC)</li> <li>• Cosmetics Representative (CPC)</li> <li>• Dry Cleaning Operator (CPC)</li> <li>• Home Health Aide (CPC)</li> <li>• Home Care Aide (CPC)</li> <li>• Library Assistant (E)</li> <li>• Teacher's Assistant (E)</li> <li>• Armed Services Career (LPG)</li> <li>• Bailiff (LPG)</li> <li>• Postal Services Worker (LPG)</li> <li>• Security Guard (LPG)</li> <li>• Utility Worker (LPG)</li> <li>• Aerobics Instructor (HT)</li> <li>• Travel Agent (HT)</li> <li>• Waitress (HT)</li> <li>• Baker (HT)</li> </ul>	<ul style="list-style-type: none"> <li>• Barber (CPC)</li> <li>• Cosmetologist (CPC)</li> <li>• Fashion Designer (CPC)</li> <li>• Manicurist (CPC)</li> <li>• Massage Therapist (CPC)</li> <li>• Mortician (CPC)</li> <li>• Truck Driver (CPC)</li> <li>• Personal Trainer (CPC)</li> <li>• Teacher's Aide (E)</li> <li>• Armed Services Career (LPG)</li> <li>• Crime Lab Technician (LPG)</li> <li>• Fire Fighter (LPG)</li> <li>• Postmaster (LPG)</li> <li>• Bartender (HT)</li> <li>• Chauffeur (HT)</li> <li>• Flight Attendant (HT)</li> <li>• Meat Cutter (HT)</li> <li>• Chef (HT)</li> </ul>	<ul style="list-style-type: none"> <li>• Funeral Director (CPC)</li> <li>• Marriage &amp; Family Therapist (CPC)</li> <li>• Mental Health Counselor (CPC)</li> <li>• College Professor (E)</li> <li>• Principal (E)</li> <li>• Teacher (E)</li> <li>• City Manager (LPG)</li> <li>• Criminologist (LPG)</li> <li>• FBI Agent (LPG)</li> <li>• Lawyer (LPG)</li> <li>• Parole Officer (LPG)</li> <li>• Park Ranger (LPG)</li> <li>• Workforce Director (LPG)</li> <li>• Athletic Agent (HT)</li> <li>• Executive Chef (HT)</li> <li>• Family Planner (HT)</li> <li>• Food Services Manager (HT)</li> <li>• Hotel/Motel Management (HT)</li> </ul>

## HUMAN SERVICES (HS) PATHWAY ELECTIVES

Please Note: Before selecting any elective, be sure all prerequisites have been met.  
Check the course description pages of this booklet for elective requirements.

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
<p><b>Spanish 1</b> <b>French 1</b> <b>Freshman Seminar</b></p>	<p><b>Psychology</b> <b>Sociology</b> <b>Justice Ed.</b> <b>Intro to Foods</b> <b>Spanish 2</b> <b>French 2</b></p>	<p><b>Business Management</b> <b>Child Care</b> <b>Food and Nutrition</b> <b>Teacher's Aide</b> <b>AP Psych</b> <b>School to work</b> <b>Spanish 3</b> <b>Future Seminar</b></p>	<p><b>Child Care</b> <b>Teacher's Aide</b> <b>AP Psych</b> <b>Dual Enrollment Psych</b> <b>School to work</b> <b>Spanish 4</b> <b>French 4</b> <b>Psychology</b> <b>Sociology</b></p>

## Career Development Transitional Opportunities Pathway Cluster Areas

- ◆ Counseling, Personal Care (CPC) ◆ Education (E)  
◆ Law, Public Safety and Government (LPG) ◆ Hospitality and Tourism (HT)

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
<p><b>Career Panels (All)</b> <b>Career Expo (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>Youth and Government (LPG)</b></p>	<p><b>College Panels (All)</b> <b>Career Expo (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>PA State Police Youth Week-Summer (LPG)</b></p>	<p><b>Shadow Day (All)</b> <b>Post-Secondary Fair (All)</b> <b>ASVAB Test (All)</b> <b>Career Expo (All)</b> <b>Dual Enrollment (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>College Visits (All)</b> <b>Criminal Justice Day (LPG)</b> <b>Forensics Day (LPG)</b></p>	<p><b>Senior Interview Workshop (All)</b> <b>Career Action Plan Presentation (All)</b> <b>Resume Workshop (All)</b> <b>Career Expo (All)</b> <b>Dual Enrollment (All)</b> <b>Internships (All)</b> <b>Work Experience (All)</b> <b>Guest Speakers in elective courses (All)</b> <b>Field Trips (All)</b> <b>College Visits (All)</b> <b>Youth and Government (LPG)</b> <b>Criminal Justice Day (LPG)</b> <b>Forensics Day (LPG)</b></p>

# SCIENCE AND HEALTH (SH) PATHWAY

This Pathway is designed to cultivate students' interests in the life, physical and Behavioral sciences. In addition, it involves the planning, managing and providing of therapeutic services, diagnostic services, health information and biochemistry research and development.



## PATHWAY CLUSTER AREAS

- ◆ Health Science (HS) ◆ Agriculture, Food & Natural Resources (AFN)
- ◆ Science, Technology and Math (STM)

Are you interested in...	Can you...	Do you enjoy...
<ul style="list-style-type: none"> <li>• Health Care Environment</li> <li>• Science and Medicine</li> <li>• Medical Research</li> <li>• Food Production</li> <li>• Environment &amp; Conservation</li> <li>• Pharmacy</li> <li>• Physical Therapy</li> <li>• Sports/Fitness</li> <li>• Information Systems</li> <li>• Conservation</li> <li>• Radiology</li> </ul>	<ul style="list-style-type: none"> <li>• Pay attention to detail</li> <li>• Use a computer and technology</li> <li>• Work in a lab setting or medical facility</li> <li>• Apply a scientific theory to real life problems</li> <li>• Work outdoors around animals and plants</li> <li>• Collect and analyze data from experiments</li> <li>• Work with people in need</li> <li>• Work with science and math theories</li> </ul>	<ul style="list-style-type: none"> <li>• Diagnosing and caring for sick animals</li> <li>• Work outdoors with wildlife</li> <li>• Solving problems</li> <li>• Working on cutting edge scientific research</li> <li>• Working on a team</li> <li>• Medical lab research</li> <li>• Making a contribution to society</li> <li>• Working with numbers</li> <li>• Developing conclusions from a database</li> </ul>

If you answered "yes" to most of these questions, you might consider a future in one of the sample occupations listed below based on their level of post-secondary training.

Entry (OJT)	Technical/Skilled (1-3 yrs)	Professional (4 or +yrs)
<ul style="list-style-type: none"> <li>• Hospital Worker (HS)</li> <li>• Patient Care Technician (HS)</li> <li>• Dialysis Technician (HS)</li> <li>• EEG Technician (HS)</li> <li>• Home Health Aide (HS)</li> <li>• Nurses Aide, Orderlies (HS)</li> <li>• Pharmacy Technicians (HS)</li> <li>• Physical Therapy Aide (HS)</li> <li>• Animal Caretaker (AFN)</li> <li>• Breeder (AFN)</li> <li>• Extension Service Worker (AFN)</li> <li>• Food Conservation Worker (AFN)</li> <li>• Wildlife Reserve Worker (AFN)</li> <li>• Hazardous Waste Technician (STM)</li> <li>• Optician (STM)</li> <li>• Data Entry (STM)</li> <li>• Surgical &amp; Mapping Technicians (STM)</li> </ul>	<ul style="list-style-type: none"> <li>• Certified Nursing Assistant (HS)</li> <li>• Dental Hygienist (HS)</li> <li>• Emergency Medical Tech. (HS)</li> <li>• Licensed Practical Nurse (HS)</li> <li>• *Medical Lab Technician (HS)</li> <li>• Personal Trainer (HS)</li> <li>• Radiological Technician (HS)</li> <li>• Respiratory Therapist (HS)</li> <li>• Dental Lab Technician (HS &amp; STM)</li> <li>• Fish &amp; Game Worker (AFN)</li> <li>• Forest Conversationalist (AFN)</li> <li>• GPS Technician (AFN)</li> <li>• Surveyor (AFN)</li> <li>• Veterinary Technician (AFN)</li> <li>• Nano Technician (STM)</li> <li>• Sound Engineer (STM)</li> <li>• *Biological Technicians (STM)</li> <li>• Chemical Technicians (STM)</li> </ul>	<ul style="list-style-type: none"> <li>• Athletic Trainer (HS)</li> <li>• Speech/Language Pathologist (HS)</li> <li>• Dietician (HS)</li> <li>• Physician Assistant (HS)</li> <li>• Medical Examiner (HS)</li> <li>• Pharmacist (HS)</li> <li>• Physician (HS)</li> <li>• Physical Therapist (HS)</li> <li>• Registered Nurse (HS)</li> <li>• Agronomist (AFN)</li> <li>• Geologist (AFN)</li> <li>• Marine Biologist (AFN)</li> <li>• Soil Conversationalist (AFN)</li> <li>• Veterinarian (AFN)</li> <li>• Chemist (STM)</li> <li>• Environmental Scientist (STM)</li> <li>• Geneticist (STM)</li> <li>• Statistician (STM)</li> <li>• Zoologist (STM)</li> <li>• Nuclear Engineer (STM)</li> </ul>



## SAMPLE CAREERS

### SCIENCE & HEALTH (SH) PATHWAY ELECTIVES

Please Note: Before selecting any elective, be sure all prerequisites have been met.  
Check the course description pages of this booklet for elective requirements.

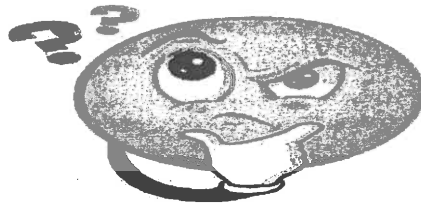
9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Freshman Seminar	Micro Biology Natural Resource Management	Anatomy and Micro Biology Advanced Biology Chemistry Personal Fitness Physical Science Animal Bio Plant Bio Environmental Bio Supervised AG experience School to work Future Seminar	Advanced Biology Sports and Social Sciences Supervised AG experience School to work

### Career Development Transitional Opportunities Pathway Cluster Areas

- ◆ Health Science (HS) ◆ Agriculture, Food & Natural Resources (AFN)  
◆ Science, Technology and Math (STM)

9 <sup>th</sup>	10 <sup>th</sup>	11 <sup>th</sup>	12 <sup>th</sup>
Career Panels (All) Career Expo (All) Guest Speakers in elective courses (All) Field Trips (All) zSpace logged hours (HS, STM)	College Panels (All) Career Expo (All) Guest Speakers in elective courses (All) Field Trips (All) Extreme Nursing (HS) Destination Imaging (HS, STM) Extreme Lab (HS, STM) Live Surgery (HS)	Shadow Day (All) Post-Secondary Fair (All) ASVAB Test (All) Career Expo (All) Dual Enrollment (All) Guest Speakers in elective courses (All) Field Trips (All) College Visits (All) Governors School-Sciences-Summer (All)	Resume Writing (All) Career Expo (All) Dual Enrollment (All) Internships (All) Work Experience (All) Guest Speakers in elective courses (All) Field Trips (All) College Visits (All)





## WHICH OPTION SUITS YOU?

TYPE	DESCRIPTION
<b>OJT (On-the-Job Training)</b>	Employer-designed training established for the worker to gain the necessary work skills while he is getting paid on the job. Usually these will last weeks to months.
<b>Diploma or Certificate Program</b>	Short-term programs of 6 months to 1 year to gain specific skills to gain employment at the entry level. These can be found at technical schools, community colleges, junior colleges and even some universities.
<b>Military Training</b>	All branches of the military have skilled training for 3 years or more. Students can use their GI Bill to pay for college after their discharge or serve for 20 years until retirement with full benefits.
<b>Apprenticeship Program</b>	Industry-based program training workers on the job and in a classroom setting as well. Upon completion the worker will gain journeyman status in the specific industry (3-4 years in length). Apprentices are paid as they go to school.
<b>Bachelor's Degree Programs</b>	These are four-year degrees with a combination of general education course work and a specific major. They can be liberal arts colleges, private colleges, public colleges or universities.
<b>Graduate and Professional Degree Program</b>	These are the post-graduate fields such as law, medicine and Ph.D. or other professional fields, typically 1 to 5 years beyond the bachelor's degree.

# POLICIES AND PROCEDURES

## College Athletic Eligibility

Student athletes who want to practice and play sports their freshman year in a National Collegiate Athletic Association (NCAA) Division I or Division II College must satisfy the initial requirements of the NCAA. The NCAA adopted new standards for core courses and academic eligibility. It is essential to discuss these requirements with your respective guidance counselor. The guidance office will have a comprehensive list of approved courses if you have interest in participating in NCAA athletics. For further details about the conditions for initial eligibility, refer to one of the following web sites: [www.ncaa.org](http://www.ncaa.org) [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

## COURSE OPTIONS

**Independent Study:** The Wellsboro Area School District policy regarding Independent Study is School Board policy #118. The policy states: The board will consider approval of a course of independent study for a properly qualified student as recommended by the Superintendent in order that such students may

- extend the learning experience outside the classroom
- develop judgment and self-reliance in the conduct of their learning experience
- use community resources in their educational program
- include a greater variety of learning experiences within the educational program
- explore an area of particular interest
- achieve personal goals
- learn to base conclusions on research

**Audit:** Students wishing to participate in band or chorus may attend class once every six days. Students will receive a participation grade; however, no credit will be received.

**College Preparatory Curriculum (CP):** The purpose of the College Preparatory Curriculum is two-fold. It is designed to provide students with exposure to various career pathways as well as prepare students for entrance into a two (2) or four (4) year college or university. Since some colleges/universities have special entrance requirements, students need to consult with their guidance counselor and check the college catalogues closely. College preparatory students are required four (4) credits of English, four (4) math, four (4) social studies and four (4) science at the college preparatory level and two (2) credits in the same foreign language.

**Career and Technical Education Curriculum:** The Career and Technical Education Curriculum will prepare students for a smooth transition from our secondary CTE program into a postsecondary education program of study. Students are encouraged to take courses that challenge them and lead them on a pathway to postsecondary success. Technical sequences will meet the minimal technical core area competencies of articulated postsecondary institutions.

**Career Pathways Curriculum:** The purpose of this curriculum is to provide student exposure to and training for various careers. Within this curriculum are various career pathways along with the capability of taking core area courses at the college preparatory level. The various career pathways are: Business Education, Industrial Technology, Industrial Trades, and Home Economics.

**Advanced Placement (AP):** AP courses are offered in 11th and 12th grades and those wishing to take the Advanced Placement test must pay a fee, roughly \$93.00. Financial aid may be requested.

**Dual Enrollment (DE):** There will be two options for Dual Enrollment at WAHS this year. The first is one is the offering through Lackawanna College. The second option agreement we will be through Mansfield University. There are specific criteria that students need to meet in order to be eligible to take these courses. Dual Enrollment courses have a fee structure associated with them if the student desires college credit. If interested in any of these courses, please contact the guidance office.

**Lackawanna College:** credit offered at a reduced tuition rate, juniors and seniors may elect to take these courses, these courses will be scheduled into their high school schedule. Payment is required by the first day of school for students enrolling in these courses. If payment is not received within first 10 days of course student will be removed from course. Courses that are taken through Lackawanna College will be taught at Wellsboro Area High School by Wellsboro Area High School faculty that have been approved as adjunct faculty by Lackawanna College.

Course Code	Course Name	University
8251	Intro to Psychology	Lackawanna
8359	College Algebra	Lackawanna
8157	College Writing	Lackawanna
8548	Elementary Spanish	Lackawanna

**Mansfield University:** credit offered at a reduced tuition rate, juniors and seniors may elect to take these courses, these courses will be scheduled into their high school schedule. The student will be responsible for the balances of the tuition and fees and meeting university payment deadlines. Students must register through MU and their online system. An information sheet can be obtained through the guidance office. These courses are subject to change based on Mansfield University offerings.

Course Code	Course Name	University
8971MU	Introduction to Art	Mansfield
8462MU	Personal Finance	Mansfield
8367MU	Introduction to Microcomputers	Mansfield
8158MU	Oral Communications	Mansfield
8263MU	Physical Geology	Mansfield
8223MU	History Since 1877	Mansfield
8360MU	Survey of Math Ideas	Mansfield
8346MU	Intro to Statistics	Mansfield
8243MU	Intro to Sociology	Mansfield
8775MU	Jobsite Safety	Mansfield

**WELLSBORO ONLINE ACADEMY:** The Wellsboro Online Academy (WOA) is committed to preparing the students at the Wellsboro Area School District for their future. WASD is committed to providing online programming to meet the needs of our students in a variety of capacities including the following:

- Full online schedule – students choosing this option are enrolled in all of their courses online; they are taught and maintain communication with their WASD online teachers through web technologies, but have the opportunity to schedule face to face meetings with their teachers at school.
- Supplemental online schedule – students choosing this option are enrolled in one or more online courses to supplement their traditional academic schedule; students may choose to be scheduled for a study hall to work on their online courses in school or schedule part of their day at home and part of their day at school depending on what meets the needs of the family / student; some students take advantage of this option to pursue work opportunities, credit recovery or credit advancement; some students use this opportunity to free up time within their regular schedule to take electives they may not have had room for otherwise.

#### **WOA Guidelines:**

- **Enrollment** - The Wellsboro Online Academy classes are semester based courses. Although we encourage students to enroll at the beginning of each semester, we operate on an open enrollment system to meet specific needs of students. Students must first consult with their guidance counselor to enroll in the Wellsboro Online Academy.
- **Orientation** – Students who have never taken an online course are required to attend an orientation session with their parent. This session will review the policies and procedures of the Wellsboro Online Academy and introduce students to the Learning Management System. Students (along with parents) enrolling in the middle of the semester will be required to meet with Dr. Largey or Mrs. Harman to review orientation materials individually.
- **Curriculum** – WASD is a member of eQUIP online learning services at IU 17 to access the learning management system and online curriculum. All online curriculum is taught by WASD faculty.
- **Course Completion** - The Wellsboro Online Academy classes all follow a similar format. Each course has a clear expectation of pacing (due dates) outlined for successful completion of the course by the end of the semester.
- **Attendance** - Students are expected to log onto their online courses five out of seven days per week. Teachers will monitor student progress weekly and as long as a student is passing the course, it will be assumed attendance is satisfactory. If a student is failing a course, a weekly report will be generated that provides documentation of the hours the student has logging onto each course. Illegal absences will be recorded for days in which a student does not log onto their courses for at least one hour per course.

#### **CREDIT REQUIREMENTS**

All students are required to schedule and take a **minimum of 7 credits each year**. After a student's schedule has been completed, the student may wish to add a course in place of a study hall. This will be permitted if there is room in the class. No course, however, will be moved to accommodate the addition. The following chart defines credit requirements for all students:

COURSE	CREDIT	COMMENT
English	4	Every Student, Every Year
Math	4	
Science	4	
Social Studies	4	
Arts/Humanities	2	<b>Intro to Art (.5), Music Elective (.25)</b>
Health/Physical Education	2	Every Student, Every Year
Foundations/Future Seminar	1	<b>9<sup>th</sup> Grade Year and 11<sup>th</sup> Grade Year. This requirement will begin with the class of 2023.</b>
Electives	6	

### **DROP / ADD PROCEDURES**

The drop / add period will run from the time schedules are received in June through August 1st. All schedules are final as of the end of the counselor's 10-day summer work period. Schedules after this point will only be addressed for failures of pre-requisites or credit recovery for seniors. If changes are needed due to misplacement, it will be per teacher, principal, guidance and parent approval.

### **FAILURE OF A SUBJECT**

The successful completion of all graduation requirements is mandatory to participate in graduation. Required courses, if failed, must be retaken and passed. This has first priority in regard to future scheduling. The student will be placed in the repeat section of the subject and the remainder of the student's schedule will be built around the course.

### **GRADUATION REQUIREMENTS**

Wellsboro Area School District will require 27 credits to graduate. All students must also achieve proficiency on the Keystone Exams in Algebra 1, Biology, and Literature or meet the expectations of Pennsylvania Department of Education. Graduation from the Wellsboro Area High School is based upon Pennsylvania Department of Education requirements and the successful completion of the minimum of Carnegie Credits as set by the Wellsboro Area School District's Board of Education. A student will not be allowed to participate in the graduation ceremonies, or receive a Wellsboro Area High School diploma unless all requirements are met.

## **HONOR ROLL**

Distinguished Honor Roll and Honor Roll will be determined using the student's 9-week grades in each course. The grade reported in percentage form for each course will be multiplied by its credit value. These products will be added together and then divided by the total number of credits. This quotient will be the GPA percentage.

- Any student receiving a score equal to or below 76.999% in any course is not eligible for the Distinguished Honor Roll or Honor Roll.
- Students earning the classification of Distinguished Honor Roll must have a GPA percentage of 93 or greater.
- Students earning a classification of Honor Roll must have a GPA within the range of 85% and 92.999%.

## **KEYSTONE LOCAL ASSESSMENT**

All students will be required to take the Keystone exams in Algebra 1, Biology, and Literature by the end of their junior year. If proficiency is not demonstrated students may graduate under the provisions of Senate Bill 1095.

## **NUMERIC GRADING SYSTEM**

A	(93-100%)	Incomplete	I
B	(85-92%)	Medical	M
C	(77-84%)	Withdrawal	W
D	(70-76%)		
F	(below 70%)		

The "I" is used for incomplete work and zeros will be figured in for the assignments missing in two weeks after the grading period, if the work is not made up. It is the responsibility of the student to make up the work.

The "M" is used when a student is physically unable to complete course requirements. A valid medical excuse must be on file. The student will be required to attend class and take all written tests. Failure in written tests will result in failure in the course.

The "W" grade is given if a student withdraws from a class after 15 class periods.

Students with below a 70%, I or W will not be eligible for the Honor Roll. These grades also affect eligibility status for participation in extracurricular activities.

## Testing Programs

### PSAT:

The PSAT/NMSQT is the Preliminary SAT/National Merit Scholarship Qualifying Test. The PSAT is a great primer for the SAT, and even the ACT, but it's more than just a trial run. PSAT scores are used to identify National Merit Scholars and award merit scholarships. More than 3.4 million high school students (mostly juniors and sophomores) take this nationwide, multiple-choice test every year.

### SAT:

The SAT is a college entrance examination created by the College Entrance Examination Board. Like the PSAT, the SAT is a standardized test which measures knowledge and skills that have been identified as most important for college and career readiness and success. The SAT consists of 2 sections: Evidence-Based Reading & Writing and Math. A third Essay Section is optional. Each section is given a scaled score ranging from 160 to 760. The SAT is offered seven times annually. Wellsboro Area High School is a test site three times per year in October, January, and March/April. Students can test at other local schools on the other testing days if they choose. The SAT is always administered on a Saturday. A listing of local testing sites and dates is available in the School Counseling Office. Students register for the SAT online at <https://www.collegeboard.org>. A photograph is required for registration. Students must print their admission ticket and have it with them at the time of testing. Students must also have appropriate photo identification even if testing at WAHS. When registering, students should be sure to include the WAHS school code (also called the CEEB code) of 395-135. If a student neglects to give this information, we will not receive their scores.

### ACT:

The ACT is a national college admission examination that consists of subject area tests in English, Math, Reading, and Science. They offer Writing as an optional testing category. The SAT is more commonly used in our region; however, either test is typically accepted at most colleges throughout the country. Students sometimes opt to take the ACT to present other strengths not covered on the SAT. Wellsboro Area High School is not an ACT test site; however, it is given nearby for all six administrations. A listing of local testing sites and dates is available in the School Counseling Office. Students must register for the ACT online at [www.actstudent.org](http://www.actstudent.org). A photograph is required for registration. Students must print their admission ticket and have it with them at the time of testing. Students must also have appropriate photo identification when testing. When registering, students should be sure to include the WAHS school code of 395-135. If a student neglects to give this information, we will not receive their scores.

### ASVAB:

Students in 10th through 12th grade can elect to take the Armed Services Vocational Aptitude Battery (ASVAB). Students sign up through the School Counseling Office. The test is administered once a year at TAHS in November. This assessment measures aptitudes in areas such as word knowledge, arithmetic reasoning, general science, and mechanical comprehension. The ASVAB measures aptitudes that are related to success in different jobs and occupations. The assessment is scored in a manner that informs students of their abilities and readiness to become proficient in ten separate types of activities. ASVAB results are returned to participating students in a feedback session facilitated by a representative from Harrisburg.

An additional part of the ASVAB includes career exploration. The career exploration portion of the ASVAB is especially valuable in that it helps students identify areas for career exploration. The "Exploring Careers" workbook is used with this portion of the ASVAB. This workbook enables the test taker to compare personal interest (established through an interest inventory), with personal preferences, to explore over 200 types of different occupations. This information is utilized to help the student further explore his or her career interests.

## **AP Exam:**

Students in Advanced Placement courses are mandated to take the corresponding AP examination at the end of the course. WAHS has AP courses in Chemistry, English Literature & Composition, Government & Politics: US, Calculus AB, Calculus BC, Psychology— each AP Exam contains a free-response section (either essay or problem solving) and a section of multiple-choice questions. Each AP Exam is given an overall grade of 1, 2, 3, 4, or 5, with 5 indicating a student who is extremely well qualified to receive college credit and/or advanced placement based on an AP Exam grade. Most colleges require that a student earn a grade of 3 or higher to be considered for college credit. Students are responsible for the cost of the test. The tests are administered in the month of May, during the normal school day. Results of the AP Exams are made available in July. Students are informed of the upcoming test through their AP classroom teacher. Tests are coordinated through the School Counseling Office for those students who opt to test. More information about AP is available at <https://apstudent.collegeboard.org/exploreap>.

## **NOCTI:**

The Pennsylvania Department of Education requires that all secondary students concentrating in or completing a career and technical education (CTE) program participate in occupational competency testing. The testing program mandated by PDE is the National Occupational Competency Testing Institute (NOCTI). At WAHS, Horticulture and Plant Science, Building and Construction Technology, Carpentry/Carpenter and Culinary Arts must take the NOCTI. Students required to participate are informed by their classroom teacher. In addition, a letter is sent home to parents informing them of their student's participation. Students will have the opportunity to earn a Pennsylvania Skills Certificate, if they score at the Advanced Level on all portions of the exam. Students scoring at the Competent Level will earn a Certificate of Competency. NOCTI testing takes place at the end of April each year.

## **Keystone Exams:**

The Keystone Exams are state mandated end-of-course assessments designed to assess proficiency in the subject areas of Algebra I, Literature, and Biology. The Keystone Exams are a mandatory component of Pennsylvania's system of high school graduation requirements. The graduating class of 2021, students will also be required to successfully demonstrate proficiency on all three Keystone Exams or complete one of the four options defined in Senate Bill 1095 on the Keystone Exams for graduation. There are four testing windows in the Keystone Exam calendar. WAHS tests its students during two of the testing windows: the Winter Wave 1 (December) and the Spring Testing Window (May). Students will be informed of which tests they must take and when.

## **Valedictorian/Salutatorian Requirements**

**If you are competing for the Valedictorian and Salutatorian honor, you MUST have taken the following courses to be eligible:**

<b>ENGLISH</b>	<b>MATH</b>		<b>SOCIAL STUDIES</b>	<b>SCIENCE</b>
<b>9 Honors</b>	<b>Algebra 2</b>	<b>Geometry</b>	<b>Historical Perspectives I: Honors Track</b>	<b>Keystone Biology I</b>
<b>10 Honors</b>	<b>Geometry</b>	<b>Pre-Calc</b>	<b>Historical Perspectives II: Honors Track</b>	<b>Keystone Biology II</b>
<b>11 Honors</b>	<b>Pre-Calc</b>	<b>AP Calc</b>	<b>Honors Government or AP Government</b>	<b>Chemistry</b>
<b>AP Literature and Composition</b>	<b>AP Calc</b>	<b>AP Calculus BC</b>	<b>Need (1.0) credit of following: Sociology (.5) AP Psychology (.5) Dual Enroll Psychology (.5)</b>	<b>Honors Physics or AP Chemistry</b>



**Accelerated Graduation:** Accelerated graduation is possible for students who desire an intense schedule with early graduation as their goal. This is accomplished through advanced planning with the approval of the administration and the support of parents, teachers, and guidance counselors. Candidates for the accelerated graduation are expected to maintain a grade point average of 3.0 with no failing grades in any subject and proficiency or advanced on the keystones.

## ENGLISH DEPARTMENT

### 4.0 CREDITS OF ENGLISH ARE NEEDED TO MEET WASD GRADUATION REQUIREMENTS

Three levels of English are offered at each grade level after ninth grade, which includes an honors and college prep level in addition to regular English. To be in the honors level English the student must maintain a minimum of a “B” average and have a recommendation by the previous English teacher.

**\*\*\*\* Three selected books are required to be read over the SUMMER for the Honors level and Advanced Placement classes.\*\*\*\***

Grade 9	Grade 10	Grade 11	Grade 12
English 9	English 10	English 11	English 12
Honors English 9	Honors English 10	Honors English 11	AP English/AP Composition
			Dual Enrollment College Writing

#### English Electives (not for English Credit)

PSAT/SAT Prep (0.5cr)

Students taking AP English courses are required to take the exam that follows the instruction. The students must pay (\$94 or more) for the exam prior to the start of the class. Financial aid may be requested.

#### **8111 9 Honors English (36 wks. 1.0 cr.)**

In ninth grade honors English, students analyze major works of literature from a variety of genres. In addition to the study of literature, emphasis is placed on the mastery of composition skills. Grammar is taught as it relates to composition, and vocabulary development is stressed throughout the year. Several individual and group projects are required. Students in ninth grade honors class must have the recommendation of the eighth grade English teacher, recommended to have at least a 93% average in 8<sup>th</sup> grade English, and they must do the summer reading requirement.

#### **8112 9 CP English (36 wks, 1.0 cr.)**

In the writing-focused English course, students analyze major works of literature from a variety of genres, while mastering composition skills. Grammar is taught as it relates to composition, and vocabulary development is stressed throughout the year. Several individual and group projects are included in this course, engaging students in 21<sup>st</sup> century employability skills. Keystone Literature exam preparation is another focus of this course.

**8113 9 English (36 wks. 1.0 cr.)**

In the technical-focused English course, students will study shorter passages of literature, both fiction and nonfiction, to prepare for the Keystone Literature exam. Reading strategies will be reviewed. Writing will focus on constructed responses of analysis and explanation as they relate to the excerpted readings. Grammar will be taught as it relates to writing, and technical vocabulary development will be stressed throughout the year. Interdisciplinary use of English in other courses will be a priority for this technical-focused English course. Several individual and group projects are included in this course, engaging students in 21<sup>st</sup> century employability skills.

**8121 10 Honors English (36 wks. 1.0 cr.)**

10 Honors English prepares students for today's advancing society, out of the necessity to equip students with 21st century skills for success in the world beyond high school. Using primarily American literature and composition, this course will help students master emerging content in global awareness, language literacy, technology literacy, financial and economic literacy, collaboration, higher order thinking, innovation and creativity. Teachers will use a variety of authentic, meaningful and relevant educational experiences to increase student engagement and improve student achievement. Some common methods include inquiry, project, and problem-based learning. Students will work with others on a regular basis and learn new methods of technology to enhance their understanding and to help them share knowledge with peers. Students will prepare for the Pennsylvania Keystone Literature exam, testing essential skills of reading comprehension and written analysis of both fiction and nonfiction. 10 Honors English students complete summer reading and associated tasks. Students are assigned fiction and nonfiction works to complete by the first day of school. Written work is often submitted electronically during summer or on the first day of school.

**8123 10 CP English (36 wks. 1.0cr.)**

Writing-focused 10<sup>th</sup> grade English prepares students for today's advancing society, out of the necessity to equip students with 21st century skills for success in the world beyond high school. Using primarily American literature and composition, this course will help students master emerging content in global awareness, language literacy, technology literacy, financial and economic literacy, collaboration, higher order thinking, innovation and creativity. Teachers will use a variety of authentic, meaningful and relevant educational experiences to increase student engagement and improve student achievement. Some common methods include inquiry, project, and problem-based learning. Students will work with others on a regular basis and learn new methods of technology to enhance their understanding and to help them share knowledge with peers. Students will prepare for the Pennsylvania Keystone Literature exam, testing essential skills of reading comprehension and written analysis of both fiction and nonfiction.

**8127 10 English (36 wks. 1.0cr.)**

Technical-focused 10<sup>th</sup> grade English prepares students for today's advancing society, out of the necessity to equip students with 21st century skills for success in the world beyond high school. Using primarily shorter texts of fiction and nonfiction, this course will help students master emerging content in global awareness, language literacy, technology literacy, financial and economic literacy, collaboration, higher order thinking, innovation and creativity. Teachers will use a variety of authentic, relevant and interdisciplinary educational experiences to increase student engagement and improve student achievement. Some common methods include inquiry, project, and problem-based learning. Students will work with others on a regular basis and learn new methods of technology to enhance their understanding and to help them share knowledge with peers. Students will prepare for the Pennsylvania Keystone Literature exam, testing essential skills of reading comprehension and written analysis of both fiction and nonfiction.

**8129 PSAT/SAT Preparation (18 wks. .5 cr.)**

The PSAT course is a great introduction course for the SAT, and the ACT, but it's more than just practice. You are required to take the PSAT during the first part of your junior year, and these scores are used to identify National Merit Scholars and award merit scholarships. Use the PSAT/SAT course as an important guidepost on your college admissions journey.

**8131 11 Honors English (36 wks. 1.0cr.)**

British literature from the Old English period to the twentieth century is surveyed. Several longer works by major authors are analyzed in depth, especially Chaucer, Shakespeare, and the Romantics. Writing will be stressed, with an emphasis on sentence structure, grammar and the art of the essay. Students will learn proper research techniques, including note taking, bibliography format, thesis writing, and MLA documentation. Speech opportunities include discussions, oral interpretations, and dramatic presentations.

**8132 11 CP English (36 wks. 1.0 cr.)**

During the first semester, English literature from the Old English period to the Middle English period will be analyzed. In addition, longer literary works of major authors are studied. These works will include (but not be limited to) the *Anglo-saxon* poets, *The Canterbury Tales*, and *Macbeth*. The composition elements include some creative writing (poems/producing similar texts to what we read), the paragraph, and then we will cover writing that students will be expecting to actually use in the coming year (college essays, cover letters, resumes...). The second semester will highlight writing, especially career and college writing. Emphasis will be placed on the correction of individual errors in grammar, mechanics, spelling, and sentence construction. Speech opportunities are provided in class discussions, oral explanations, and panel discussions.

**8133 11 English (36 wks. 1.0 cr.)**

In the technical-focused English course, students will study shorter passages of literature, both fiction and nonfiction. Writing will focus on the correction of individual errors in grammar, mechanics, spelling, and sentence construction. Speech opportunities are provided in class discussions, oral explanations, and panel discussions. Technical vocabulary development will be stressed throughout

the year, as it relates to other courses. Several interdisciplinary projects are included in this course, engaging students in 21<sup>st</sup> century employability skills.

**8141 Advanced Placement English - Grade 12 (36 wks. 1.0 cr.)**

**8143 AP Composition – Grade 12 (18 wks. .5 cr.)**

*Advanced Placement English Literature and Composition* is a demanding college-level course for highly interested and motivated students in the 12<sup>th</sup> grade. This course will stress critical reading, analytical writing, and intellectual class discussions on a daily basis. Emphasis will be placed on critically reading various genres that have appeared on past AP exams and how to write coherent analyses of the works studied in the course. This class requires a commitment from the parent, student, and teacher in order to meet the goals and objectives outlined by the College Board, and students are expected to be thoroughly prepared each day and to satisfactorily complete all assignments by their given due dates. There will be a very high workload in this course (including daily extensive reading and writing assignments), so students need to consider this if they are involved in several activities or have a job. This course intends to prepare students for any college literature and writing courses they may take in the future. Please visit the College Board's Website ([www.collegeboard.com](http://www.collegeboard.com)) to learn more about the AP Literature and Composition Exam.

**8144 12 CP English (36 wks. 1.0 cr.)**

This course will be a study of thinking and writing as a process of exploration of ideas and continual growth, accomplished through written structures. The main goal is to develop skills for students to meet the demands of college level writing. Throughout this course, discussion is encouraged. This course will be balanced, yet flexible. As a culmination of your final year of school, we will draw upon the best of your previously learned skills-based and literature-based strategies. These strategies will be put to the test as you choose your own readings by more diverse authors. Your literature experience will be broader this year as to increase engagement and connection with the text of your choosing. Your reading will be a mix of a classic, Hamlet, intertwined with contemporary authors of your choosing. The literature portion of class will be relevant to your future, and you will need to stay involved in your learning. Your job is to raise questions about what you are learning, and then find answers to create understanding. We will have many class discussions about your understanding and your reaction to literature. There will be less lecturing and more round table discussions, and small group and large group collaboration. Everyone's voice will be heard. You will then be asked to respond to your literature in the way that you feel the most confident. A variety of responses are encouraged: written, presented, or even dramatized. The composition portion of this course will be varied. There will be timed writing, response journals, short essays, argumentative papers and research papers. We will correct writing for focus, content, organization, style, and conventions.

**8148 12 English (36 wks. 1.0 cr.)**

Students continually use English in their daily lives. You listen, speak, read and write in class. You listen and speak in face-to-face conversations. You use language even when you remember, think, or dream. Because students communicate so frequently, you tend to take your communications skills for granted. As a result, you do not think seriously about the impact of your oral and written messages and the fact that your communication will affect every aspect of

your personal and professional lives. This course will improve your reading and writing skills, drawing upon previously learned skills-based strategies. The skills learned this year will give you more professional options for your future. This course will aid in developing communication skills for the workplace. The main objectives of this course are to encourage you to think about the messages you send and receive through oral, written, and nonverbal communication, to exercise conscious control over what you communicate, and to be more thoughtful and observant about the written, oral, and nonverbal messages of others. You will be asked to respond to your learning in the way that you feel the most confident. A variety of responses are encouraged: written, presented, or even dramatized. The composition portion of this course will be varied. There will be an autobiography, short essays, an argumentative paper and a research paper. We will correct writing for focus, content, organization, style, and conventions.

**8157 Dual Enrollment College Writing- Grade 11, 12 (18wks. .5cr)**

This is a real college course for real college credit. This program introduces you to the writing that you will encounter in a freshman college composition course. After passing all the requirements for this class, credit from Lackawanna College, could be applied to the university of your choice. This course will familiarize you with the academic writing process to aid in developing clear, thoughtful essays in standard academic form. The course’s culminating activity will be a properly organized, fully documented research paper. The credit policy will depend on the school.

**8152 Creative Writing – Grade 9,10 (18wks. .5 cr.)**

In this writing workshop course, students will develop writing and creative writing skills to create short stories, poetry, one-act plays, etc. Emphasis will be on the writing process, as well as the written product. Students who wish to become involved in a writing project and to improve their writing skills will find this course useful and instructive.

**SOCIAL STUDIES DEPARTMENT**

**4.0 CREDITS OF SOCIAL STUDIES ARE NEEDED TO MEET WASD GRADUATION REQUIREMENTS**

**Advanced Placement Course**

Advanced Placement Government is offered to 11<sup>th</sup> or 12<sup>th</sup> graders, who are required to take the AP exam that follows the instructions. Students must pay the cost (\$94 or more) of the exam prior to the start of the course. Financial aid may be requested.

Grade 9	Grade 10	Grade 11	Grade 12
Historical Perspective I	Historical Perspective II	Government & Economics	AP Government
		Honors Government & Economics	AP Psych
		AP Government	Additional Courses
			Additional Courses

**Social Studies Additional Courses**

**Sociology (0.5cr)**

**Applied Psychology (0.5cr)**

**Justice Education (0.5cr)**

**Dual Enrollment Psychology (0.5cr)**

**8223 Historical Perspectives I (36 wks. 1.0 cr.)**

The Mission of the Wellsboro Area High School 9th Grade Historical Perspectives course is to facilitate inclusive and rigorous classrooms of independent learners who use inquiry of US and World History to discover, investigate, and connect to issues in the 21st century. We'll look at US and World History(1750- 1920)- all in the same year by rotating between a US and World History teacher. Each unit stalls out with 2 weeks to build on knowledge and apply it using higher level critical thinking. We hope to inspire our students to become leaders who apply lessons from our past to creative problem solving for a better future! Any student looking at a career in political science, policy making, research analyst, law, social work, and education will find direct connections to the content of this courses.

**8214 Historical Perspectives II (36 wks 1.0cr)**

The Mission of the Wellsboro Area High School 10th Grade Historical Perspectives course is to facilitate inclusive and rigorous classrooms of independent learners who use inquiry of US and World History to discover, investigate, and connect to issues in the 21st century. We'll look at US and World History (1920-Modern Era)- all in the same year by rotating between a US and World History teacher. Each unit stalls out with 2 weeks to build on knowledge and apply it using higher level critical thinking. We hope to inspire our students to become leaders who apply lessons from our past to creative problem solving for a better future! Any student looking at a career in political science, policy making, research analyst, law, social work, and education will find direct connections to the content of this course.

**8231 Government & Economics (36 wks. 1.0 cr.)**

This course covers the structure and functions of the federal government— executive, legislative, and judicial branches—through examination of the Constitution and its limits on the power of the federal government. Students will also become familiar with state and local government, particularly Pennsylvania government. Students will learn how informed, involved citizens can affect the quality of government. Current events are used to demonstrate how the theories of government are applied outside of the classroom. It will also provide an overview of economic concepts, models and terminology. Economics is the study of how resources are allocated in various economic systems, and explores various types of businesses and how the banking system operates.

**8235 Honors Government & Economics (36 wks. 1.0 cr.)**

This course is designed for the student with an in-depth interest in the working of our American Government at the national level. The course will examine, from an analytical perspective, the institutions, participants and processes that characterize the nature and function of the American political system. The course begins with the study of political power, the Constitution and federalism. It continues with the exploration of our political culture, political parties, the election process, interest groups and the media. We will also examine the workings of the legislative, executive and the judicial branches of our federal government from their inception to the present. We will also discuss the major civil rights and civil liberties issues as well as the controversies in U.S. foreign

policy that helped to shape our modern American political thought. It will also provide an overview of economic concepts, models and terminology. Economics is the study of how resources are allocated in various economic systems, and explores various types of businesses and how the banking system operates. Prerequisite for the course is a 90% GPA for the previous school year in the Social Studies curriculum. This course is an alternative for Government 8231.

**8233 AP Government - (36 wks. 1.0 cr.) SUMMER WORK INCLUDED**

AP United States Government and Politics is a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will read and analyze U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions between political institutions and behavior. They will read and interpret data, develop evidence-based arguments, and engage in an applied civics or political research-based project. Students will take the AP Government Exam given in May of each year. If the exam score is high enough, the student may receive credit for the course by a participating college. Prerequisite: Student must have a 93% GPA for the previous (Freshman/Sophomore) school year in the Social Studies curriculum.

**8243 Sociology – Grades 11, 12 (18 wks. .5 cr.)**

Sociology is the scientific study of human society and social interactions. This course is designed to help students analyze the effects of society on the group, as well as the group's effect on society. Emphasis is placed on contemporary social issues that influence using individually, societally, and culturally. Some major topics of study include gender, culture, socialization, group dynamics, race, countercultures, and various sociological concepts that arise in current events. The course takes an applied approach to the study of sociology so that the student has an opportunity to "see" these concepts in his/her everyday life.

**8244 Applied Psychology – Grades 11, 12 (18 wks. .5 cr.)**

Psychology is the study human behavior and mental processes. In this introductory applied course, a variety of topics are presented including memory, learning, personality, stress and coping, hunger/eating, sleeping/dreaming, psychological disorders, social behavior, and other related issues that arise in current events. Many misconceptions about psychology are identified and corrected. The course takes an applied approach to the study of psychology so that the student can "see" these concepts in his/her everyday life.

**8246 Justice Education – Grades 11, 12 (18 wks. .5 cr.)**

This is an introductory course into our legal system, focusing primarily on criminal

law. Areas of emphasis in the criminal area include crimes against the person, property crimes, criminal defenses, and criminal procedures. Current events related to the criminal justice system are also a major focus. An additional part of the course is a voluntary program for students to accompany an officer of the Wellsboro Police Department on a two-hour "Ride Along," as well as a field trip to the Tioga County Courthouse, Emergency Communications Center, and Tioga County Prison.

- 8251 Dual Enrollment Psychology/AP Psychology Part 1 - Grade 11,12 (18wks. .5cr)**  
Students enrolled in Dual Enrollment Psychology have the potential to receive both high school and college credit if the course is completed successfully. DE Psychology will be structured as a college-level introductory course with higher expectations for independent study. Course topics will include the history of psychology, research methods, memory, learning, personality, lifespan development, social behavior, psychological disorders, mental health therapy /treatment, and others. Scholarly research will also be a major focus of the course.
- 8252 AP Psychology Part 2- Grade 11,12 (18wks. .5cr)**  
The AP Psychology course is designed to continue the systematic and scientific study of behavior and mental processes. Students are exposed to additional concepts within psychology including motivation, emotion, stress, intelligence, cognition, sensation and perception. A significant portion of the course involves a comprehensive review and AP exam preparation. Students will take the AP test at the end of the course that may lead to college credits depending on score and college/university guidelines. In order to qualify for this AP course, the student must have a cumulative GPA of 90% or the recommendation of previous Social Studies teachers. AP Psychology Part 2 (spring) must be taken in conjunction with Dual Enrollment Psychology/AP Psychology Part 1 (fall).
- 8255 Crimes, Criminals and Courts- Grade 11, 12 (18 wks. .5cr)**  
This course contains elements of all three social science courses –Psychology, Sociology, and Justice Education. It is intended for those students who have a strong interest in the criminal justice system. Topics include but are not limited to the FBI, profiling, the causes of criminal behavior, psychological disorders, insanity, police procedure, criminal investigation, forensics, and true crime cases. Current events topics and legal and ethical issues in the criminal justice system are also a focus. The course is open to juniors and seniors who have completed one of the social science electives (Psychology, Sociology, or Justice Education) and passed 10th or 11th grade English.
- 8239 Sports and Social Sciences – (18 wks. .5cr.)**  
This course examines a wide variety of social science topics related to psychology, sociology, criminal justice, history, world cultures, and politics using examples from sports/athletics. Topics include but are not limited to the following: race, gender, violence/aggression, the role of the media, motivation, technology, physical and mental health, coaching, superstitions, advertising, drugs & alcohol, gambling, group dynamics, youth sports, and performance anxiety. We will focus heavily on current events and ethical issues in sports, as well as spend time evaluating various forms of media. The course is open to juniors and seniors who have completed (or are currently enrolled in) one of the social science electives (Psychology, Sociology, or Justice Education) and passed 10th or 11th grade English.



**8019 Preparing For College – Grade 11,12 (online) (18wks. .5cr)**  
 This course is open to juniors and seniors who are interested in preparing for college-level courses. The course will be offered online through Wellsboro Online Academy. Topics addressed will include transitioning to college, test preparation/studying, learning styles, college writing, active listening and note taking, stress management, time management, textbook reading/marking, test taking, and many others. In addition to gaining practical knowledge about these topics, students will also be exposed to an online learning environment, which will also prepare them for higher education.

**8211 World Religions- Grades 11,12 (18 weeks .5 cr)**  
 Why do Christians, Muslims, and Jews fight over the same area? How has Hinduism impacted India? Are Buddhists really non-aggressive? These and other questions will be answered as students engage in a semester-based course that investigates the basic premises of the Five Key World Religions: Hinduism, Buddhism, Judaism, Christianity, and Islam. Basic theory and historical impact around the world will be discussed. This will include key figures, holy texts, holidays, geographic location, and main principles of each belief. Those students seeking to pursue international business, join the military or just have an interest in world cultures are encouraged to take this .5 credit course worth history credit.

**MATH DEPARTMENT**

**4.0 CREDITS OF MATH ARE NEEDED TO MEET WASD GRADUATION REQUIREMENTS**

**Advanced Placement Course**

AP Calculus is a course offered to 12th graders, who are required to take the AP exam that follows the instruction. Students must pay the cost (\$94) of this exam prior to the start of the course. Financial aid may be requested.

Only one sequence of Accounting can count as a math credit; Accounting 1 or Accounting 2 - not both.

Grade 9	Grade 10	Grade 11	Grade 12
Pre-Algebra	Algebra 1	Algebra 2	Geometry
Algebra 1	Algebra 2	Geometry	Pre-Calculus
Algebra 2	Geometry	Pre-Calculus	Calculus or AP Calculus
Geometry	Pre-Calculus	AP Calculus	AP Calculus BC
		Additional Courses	Additional Courses

**8311 Pre-Algebra (36 wks. 1.0cr.)**  
 Our Pre-Algebra course is an introduction to basic algebra concepts and a review of arithmetic algorithms. The course emphasizes the concepts necessary to be successful in Algebra I and II. The course helps students develop good mathematical study skills and learning strategies.

**8351 Algebra 1 (36wks. 1.5 cr.)**  
 Have you ever wondered “when am I ever going to use this”? Basic algebra can be used in a variety of ways in everyday life from estimating the costs of a night out with friends, to predicting the number of hours you must work to pay for the latest cell phone. Perhaps you’d like to weigh your options when planning a vacation to get the best experience at the greatest value. While Algebra 1 is the foundational course for future algebra courses, its content and structure give you

the opportunity to connect previously learned skills with new applications. This connected learning strategy helps bring algebraic reasoning to life as you work with multiple real-life applications throughout the course. Algebra 1 stresses the use of skills and problem-solving strategies over rote memorization. Topics derive from the Pennsylvania Common Core Mathematics Standards set forth by the Pennsylvania Department of Education. From working with real numbers to writing and solving equations and inequalities as well as systems of equations and inequalities, you will apply your skills to problem situations that model ones encountered in daily life. You will explore data, model it graphically, and use methods of data analysis to generalize outcomes and draw conclusions. Lab

activities will keep you engaged in learning and applying your newly acquired skills. In addition, you will be introduced to algebraic skills required to classify, factor, simplify and solve algebraic expressions and equations as you advance to future algebra courses—courses which form the foundations of science and physics fields including architecture and engineering. Success in Algebra 1 is not only useful to you as you develop your independence in life, strategizing your future and managing your own activities, it also has the potential to catapult you into an exciting career in the modern-day world of emerging science, technology, and engineering!

**8353 Algebra 2 (36wks. 1.0 cr.)**

Learning math helps to develop your critical thinking skills. Critical thinking skills include communication, problem solving, and reasoning when working as an individual or with a team. Algebra is essential for many careers; especially those that relate to the math and the sciences. The aim of Algebra 2 is to guide you through concepts that apply to everyday real-life situations. Second year Algebra skills will be developed to include function families, quadratic equations and functions, imaginary and complex numbers, polynomial equations and functions, radical functions and equations, and exponential and logarithmic functions. Hands-on activities and technology will be used to introduce and reinforce content. The use of graphing calculators and computers will be incorporated into each unit. Pre-requisite: Algebra 1

**8323 Geometry (36 wks. 1.0 cr.)**

Geometry is a course whose primary purpose is to teach students how to think logically using familiar objects and shapes. There are many surprising and interesting applications and facts that result from observations of simple shapes used to model the real world. Students will prove many of these facts as they analyze basic geometric definitions, postulates, and theorems. Students will investigate and apply the facts they learn about segments, angles, parallel and perpendicular lines, congruent triangles, similar triangles, quadrilaterals, polygons, and circles. In addition, students will calculate areas, and volumes of a variety of geometric figures relating them to practical applications in construction and engineering. They will also learn about transformations which are the foundation of modern computer graphics. Furthermore, they will be introduced to right triangle trigonometry which is a gateway to many more advanced topics in mathematics, engineering, construction and the sciences. **Pre-requisites: Algebra 1 and Algebra 2**

**8337 Algebra 3 (36 wks. 1.0 cr.)**

This course is designed to prepare senior level students for a freshman college algebra course, or math courses required at a trade school. It further develops applications and skills in solving algebraic equations as well as problems involving geometry. The course will also introduce students to trigonometry of a circle and its applications. Students will discuss topics including trigonometric functions, polynomial functions, circular measure, and graphing. The pacing of this course is less rigorous than the Pre - Calculus course, but some of the same topics will be covered.

**8333 Pre-Calculus (36 wks. 1.0 cr.)**

Precalculus is a comprehensive course that weaves together previous study of algebra, geometry, and functions into a preparatory course for calculus. The course focuses on the mastery of critical skills and exposure to new skills necessary for success in subsequent math courses. Pre-requisites: Algebra 2 and Geometry

**8342 Calculus (36 wks. 1.0 cr.)**

Calculus is designed to give students an overview of Calculus topics such as limits and continuity, derivatives, anti-derivatives, integrals and differential equations. This course is designed to prepare students for Calculus 1 at the college level. Pre-requisites: Geometry and Pre-Calculus

**8344 Advanced Placement Calculus AB (36 wks. 1.0 cr.)**

AP Calculus AB is the study of limits, derivatives, definite and indefinite integrals, and the Fundamental Theorem of Calculus. Consistent with AP philosophy, concepts will be expressed and analyzed geometrically, numerically, analytically, and verbally. Students must take the AP Exam at the end of this course. Pre-requisites: Geometry and Pre-Calculus.

**8357 Advanced Placement Calculus BC (36 wks. 1.0cr.)**

AP Calculus BC is an advanced course in mathematics. A strong foundation in functions, their characteristics, behaviors and graphs is a required prerequisite. In addition, experience with polar functions and series is recommended. Topics studied include Limits, Derivatives, Applications of Derivatives, Antidifferentiation, Integrals, Differential Equations, Infinite Series, Convergence Tests, Taylor Polynomials, Parametric Equations, Vectors and Polar Functions. Numerous applications of calculus will also be explored. Students will be working independently at a college level and pace.

**8346 Probability and Statistics (36 wks. 1.0 cr.)**

This course is an introduction to probability and statistics incorporating numerous skills needed to prepare students for college and the workforce. It will aide students in critical analysis and interpretation of the extensive amount of data they will encounter in their future endeavors. Students will design and carry out a plan to gather sample data. They will learn how to display and analyze data using current software. In addition, students will acquire a working knowledge of probability theory. Furthermore, they will investigate current data from the fields of business, science, economics, and politics to run a variety of statistical tests using the computer.

**8359 Dual Enrollment College Algebra - Grade 11, 12 (18wks. .5cr)**

This college-level course is designed to prepare students for further study in college mathematics. Content will begin with a review of intermediate algebra concepts and progress through subject matter within college algebra. Topics to be covered include algebra and problem solving, factoring techniques, linear functions and inequalities, systems of linear equations, polynomials, polynomial functions, rational expressions and functions, radicals, radical functions, rational exponents, imaginary and complex numbers, quadratic equations and functions, exponential and logarithmic functions, graphing techniques and analysis. To cover the material in a semester, the course will move at an accelerated pace and students will be expected to spend the requisite time outside of class to master course material. Students enrolled in this course may receive both high school and college credit, if the course is completed successfully. Upon successful completion of course requirements, students will earn college credit through Lackawanna College.

**SCIENCE DEPARTMENT**

**4.0 CREDITS OF SCIENCE ARE NEEDED TO MEET WASD GRADUATION REQUIREMENTS**

Grade 9	Grade 10	Grade 11	Grade 12
Keystone Biology I	Keystone Biology II	Physical Science-Chem & Physical Science-Physics	Science Course
Honors Biology	Chemistry	Physics (Conceptual, CP or Honors)	AP Chemistry
	Additional Courses	Chemistry	Physics (Conceptual, CP or Honors)
		AP Chemistry	Honors Physics
		Additional Courses	Additional Courses

**8627 Keystone Biology I (36 wks. 1.0 cr.)**

First-year course aligned to the curriculum and requirements of the PDE Keystone assessment, module one. Major topics of interest include; the scientific method and metric measures, biochemistry, cell structure and function, and bioenergetics (photosynthesis & cellular respiration)

**8629 Keystone Biology II (36 wks. 1.0 cr.)**

Second - year course aligned to the curriculum and requirement of the PDE Keystone assessment; module two. Major topics of interest include; mitosis & meiosis, DNA & RNA, genetics, and evolution. Pre-requisites, Keystone Bio I or life science equivalent along with permission from instructor/counselor

**8625 Physical Science – Chemistry (18 wks. .5 cr.) (Not intended for students who have previously taken CP Chemistry)**

Interested in why bouncy balls bounce, hot air balloons rise, boats float, fireworks are different colors? Chemistry topics include: the study of matter and changes, kinetic molecular theory, gas laws, atomic theory, the periodic table, chemical

bonding, chemical reactions. Topics are more focused towards everyday uses and occupational aspects of the course are tied in throughout the semester. Pre-requisites: Keystone Biology I, II—Career Pathways Include ENGINEERING AND INDUSTRIAL TECHNOLOGY Construction and Architecture·Manufacturing·Engineering and Engineering Technology·Transportation, Distribution and Logistics-- SCIENCE AND HEALTH Cluster Areas:·Health Science·Agriculture, Food and Natural Resources ·Science, Technology and Math

**8626 Physical Science - Physics (18 wks. .5 cr.)**

Interested in using probeware and software like motion and force sensors, photogates etc to determine how and why motion happens and changes occur? Physics topics include the study of motion (straight-line, projectile and circular), forces, energy, momentum, waves, electricity and magnetism are investigated through laboratory investigation, reading and discussion Environmental, consumer, career and occupational educational aspects are tied in throughout the course. Pre-requisites: Keystone Biology I, II---Career Pathways Include ENGINEERING AND INDUSTRIAL TECHNOLOGY Construction and Architecture·Manufacturing·Engineering and Engineering Technology·Transportation, Distribution and Logistics-- SCIENCE AND HEALTH Cluster Areas:·Health Science·Agriculture, Food and Natural Resources ·Science, Technology and Math

**8631 Chemistry (36 wks. 1.0 cr.)**

In this course will inquiry-based laboratories to learn about changes in matter and energy. Topics for the course include scientific measurement, chemical classifications of matter, physical classifications of matter, gas laws, introduction to thermochemistry, elements and the periodic table, quantum theory, chemical formulas and naming, bonding, chemical reactions, stoichiometry, and nuclear chemistry. **Pre-Requisite: Biology, Algebra I**

**8661 AP Chemistry (36 wks. 1.5 cr.)**

Students will learn a deeper understanding of complex chemical concepts through the use of inquiry-based labs to study the interactions that occur between matter and energy at molecular level.

The framework is built around two components:

§ Six Science Practices (Models & Representation, Question & Method, Representing Data & Phenomena, Model Analysis, Mathematical Routines, Argument Routines)

§ Course Content with

- Four big ideas that have spiraling themes throughout the curriculum (Scale, Proportion, & Quantity; Structure & Properties, Transformations: Energy)

- These big ideas will spiral throughout the curriculum through at least nine units that include: atomic structure and properties, molecular and ionic compound structure and properties, Intermolecular forces and properties, chemical reactions kinetics, thermodynamics, equilibrium, acids and bases, advanced applications of thermodynamics.

Pre-requisites: CP Chemistry, Pre-calculus, Teacher Recommendation

**8633 Advanced Biology – Grades 11, 12 (18 wks. .5 cr.)**

This biology course is designed for students who are interested in majoring in Biology for their post-high school experience. Biology is a broad and ever-changing field of study composed of many subdisciplines. This course is designed to combine the multiple disciplines and implement the fundamental skills needed for an introductory course of a college level Biology. Emphasis is placed on developing skills used in a lab setting pre-requisites: 9 Honors Biology, or Keystone Biology I and II; Chemistry can be taken concurrently.

**8634 Field Biology – Grades 11, 12 (18 weeks .5cr.)**

This course is designed to introduce students to the plants and animals native to the Wellsboro area. Students will become familiar with field characteristics of organisms through the use of identification keys and field guides. Students will keep a field journal throughout the course. Labs and activities both in the classroom and outdoor study areas will allow students to experience organisms in the field and gain a greater understanding about them. Areas stressed will include: identification, external anatomy and taxonomy. Organisms studied will include: insects, fish, amphibians, reptiles, birds, mammals, wildflowers, ferns, and deciduous trees. **Pre-requisites: Keystone Biology I,II**

**8647 Conceptual Physics - (36 wks. 1.0 cr.)**

Don't like mathematics, but are interested in the physics topics listed below, then this is the course for you. This course is provided as an alternative to the algebra/trigonometry-based physics course for those college bound seniors who fail to meet the mathematical pre-requisites for the traditional course. Areas of study include, but are not limited to, kinematics, dynamics, properties of matter, thermodynamics, waves, optics, electricity and magnetism. Laboratory investigations using graphical analysis software and probe ware (motions sensors, photogates etc.) are used to reinforce the physics content. Environmental, consumer, career and occupational educational aspects are tied in throughout the course. Pre-requisites: Physical Science: Chemistry and Physical Science: Physics, Chemistry, Algebra 1 and Algebra 2--- Career Pathways Include ENGINEERING AND INDUSTRIAL TECHNOLOGY Construction and Architecture·Manufacturing·Engineering and Engineering Technology·Transportation, Distribution and Logistics-- SCIENCE AND HEALTH Cluster Areas:·Health Science Agriculture, Food and Natural Resources ·Science, Technology and Math

**8641 CP Physics – Grade 12 (36 wks. 1.5 cr.)**

You too, can do physics and research says taking this course will improve your post-graduate experience in all areas of science and mathematics. In this course of basic principles of classical physics, the student will utilize modern technology in the form of motion sensors, photogates, force sensors and graphical analysis software to quantitatively analyze experimental data, while gaining an understanding of kinematics, dynamics, projectile and circular motion, momentum and energy during the first semester. During the second semester students will investigate mechanical waves, sound, optics and electricity and magnetism. Considerable time is spent in problem-solving and laboratory investigation. Pre-requisites: Algebra 1, Algebra 2, Physical Science: Chemistry and Physical Science: Physics, (Pre-Calculus, may be taken concurrently with CP Physics)-- Career Pathways Include ENGINEERING AND INDUSTRIAL TECHNOLOGY Construction and Architecture·Manufacturing·Engineering and Engineering Technology·Transportation, Distribution and Logistics-- SCIENCE AND HEALTH Cluster Areas:·Health Science·Agriculture, Food and Natural Resources ·Science, Technology and Math

**8643 Honors Physics – Grade 12 (36 wks. 1.5cr.)**

Interested in engineering, chemistry, physics and applications in biology? In this course of basic principles of classical physics, the student will utilize modern technology in the form of motion sensors, photogates, force sensors and graphical analysis software to quantitatively analyze experimental data, while gaining an understanding of kinematics, dynamics, projectile and circular motion, rotational motion, momentum, work and energy during the first semester. During the second semester students will investigate mechanical waves, sound, optics, electricity and magnetism. Good problem solving skills are a must for successful completion of this course. Pre-requisites: Algebra 1, Algebra 2, and Pre-Calculus--- Career Pathways Include ENGINEERING AND INDUSTRIAL TECHNOLOGY Construction and Architecture·Manufacturing·Engineering and Engineering Technology·Transportation, Distribution and Logistics-- SCIENCE AND HEALTH Cluster Areas:·Health Science·Agriculture, Food and Natural Resources ·Science, Technology and Math

### **HEALTH SCIENCES**

**8655 Anatomy/Physiology (36 wks. 1.0 cr.)**

Anatomy & Physiology offers a systemic overview of the human body with special emphasis on the relationship between structures and functions of human cells, tissues, organs, & systems. Gross anatomy applications will be supplemented with augmented reality explorations into human structure and three dimensional models of the human form.

Students will also explore medical research and introductory pharmacology as it relates to treatment and maintenance of the human condition (homeostatically maintained set points). The course is designed for students who desire a career in healthcare, chemistry, or the business of public medicine management.

Pre-Requisites: Keystone Bio I & II, Honors Biology, and/or "Proficient" on the biology Keystone prior to December 2018. *Chemistry is preferred, along with permission/recommendation of the instructor or counselor.*

**8657 Microbiology (18 wks. .5 cr.)**

This semester course covers the fundamentals of microbiology and the role of microorganisms in the environment and in human affairs. Emphasis is given to medical aspects such as bacterial and viral diseases, resistance to disease, and characteristics of antimicrobial drugs, and human uses for microorganisms. The course will assist students in furthering their development in laboratory skills and procedures. Pre-requisite: 9 Honors Biology or Keystone Biology I,II and "Proficient" on the Keystone Biology Exam

### **AGRICULTURE/NATURAL SCIENCE**

#### **What is FFA?**

**FFA is the largest national student organization in the country with over 500,000 members. The focus of this organization is premier leadership, personal growth, and career success. FFA is NOT an organization just for farmers. It is about all areas of agriculture including veterinary science, floriculture, biotechnology, agricultural mechanics, and wildlife to name a few areas. In the FFA, students participate in competitions, leadership conferences and community service on local, state, and national levels. Students must be in an agriculture class to be a part of the FFA. Participation in FFA activities is optional.**

#### **What is an Ag. Experience?**

**An Ag (agriculture) experience is a time for students to apply the skills they learn in an agriculture course outside of class time. It can happen in the summer before a student takes an agriculture course – or during the year. This can be through a job, volunteering, raising an animal, working with the animals at school, working with plants at school, promoting agriculture through posters, designing programs for local Ag. Safety day, or attending trainings to learn about local wildlife just to list a few examples. The instructor will assist the student in finding an appropriate Ag. Experience and check for the students' progress during this experience. Students will complete an Ag. Experience as part of class and/or if they complete enough hours they can earn an extra elective credit for their experience.**

**8851 Introduction to Agriscience, Food, and Natural Resources – Grade 9,10 ( 1 cr.)**  
Do you love animals, plants, and the environment? Would you like to work in a field that includes these things in the future? If so – this course is for you. This course takes a hands on approach learning about the production of plants and animals, and the environment. Students will work with the small animals in the classroom, the plants in the greenhouse, as well as in the school forest areas. Students will learn about how to use science in an applied way. Additionally, students will complete lab activities and field trips to explore animal sciences, plant sciences, environmental sciences and the related fields. Safe operation of agricultural equipment will also be taught. Students will complete an individual experience outside of the classroom related to one of these areas as part of their homework. An introduction to FFA will also be a part of the course.

**8855 Natural Resource Management – (36 wks. 1.0 cr.)**  
Natural Resources are a rich part of our local history and an important part of a sustainable future. If you love being outdoors this is the class for you. In this course students will gain an understanding and appreciation of the activities needed to manage natural resources. Major topic areas discussed include the management of soil, watersheds and wetlands, forests, wildlife and fisheries.



Students will work in the school forest area, learn how to use tools in forestry, manage fish in an aquaculture setting in the lab, do stream studies, make maple syrup, use technology such as GPS and probes, and research problems in our local ecosystems. Students should be prepared to be outside. Students will complete an agricultural experience outside of the classroom as part of their homework. FFA topics and practical applications will be included as part of this course. **Pre-requisite: Keystone Biology I,II (may take concurrently).** **Recommended that you have taken Introduction to Ag.**

**8857 Plant Science & Horticulture 1 - (36 wks. 1.0 cr.)**

Do you have a green thumb or want to learn how to grow plants better? In this course students will learn the principles and practices of horticulture and plant science. Students will learn about growth and reproduction of plant crops, disease and pest control, hydroponics, floral design, and landscape and hardscape design and installation. Students will manage several crops grown in our greenhouse including bedding plants and vegetables in the spring. Students will actively be working in the greenhouse and outside to apply their learning. Students will also produce several floral designs throughout the year in the lab. Students will complete an agricultural experience outside of the classroom as part of their homework. FFA topics and practical applications will be included as part of this course. **Prerequisite: Keystone Biology I,II (may take concurrently).** **Recommended that you have taken Introduction to Ag.**

**8859 Plant Science & Horticulture 2 – (36 wks. 1.0 cr.)**

Students that would like to continue learning about advanced applications in plant sciences should take this course. This course is the second level of plant science and horticulture. It is designed to prepare students for college or jobs in the plant and horticulture industries. Areas in floral design, arranging, bulb forcing, and raising plants for proper seasons will be covered. Students will be able to design flowerbeds and planting schedules for crops as well as gardens. Business economics will be covered in the areas of marketing, retailing, and maximizing profits. Significant portions of this course will be in the lab, greenhouse or outside. Students will take their pesticide applicator exam as part of this course. Other certifications may be offered through the course during the year. Students will complete an agricultural experience outside of the classroom as part of their homework. FFA topics and practical applications will be included as part of this course. **Prerequisite: Keystone Biology I,II and Plant Science & Horticulture 1.** **Recommended that you have taken Introduction to Ag.**

**8875 Environmental Science – Grade 11, 12 (36wks 1.0cr)**

Do you want to learn more about the environment, how to help take care of it, and issues between humans and the environment? This is an applied, interdisciplinary science course which integrates aspects of biology, geosciences, chemistry and physics to understand the earth and the human impact on it. The goals of this course are to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world; to identify and analyze environmental problems both natural and human-made; to evaluate the relative risks associated with these problems; and to examine alternative solutions for resolving and/or preventing them. These goals will be accomplished individually and cooperatively

through laboratory activities focusing on experimental design and critical thinking, field research and data collection, research projects, evaluation of current issues, demonstrations, lecture, and problem sets. **Pre-requisite: Students must score Proficient or higher on the Keystone for Biology.**

**8863 Animal Science 1- (36 wks. 1.0 cr.)**

Do you want to be a vet, animal trainer, or manage a production animal operation some day? Would you like to know more about taking care of animals? In this course students will study the science and practice of animal agriculture. All types of domestic animals will be studied including horses, livestock, dogs, cats, small pets, and fish among others. Students will study the production of these animals along with animal systems, health, nutrition, reproduction, health, welfare, and biotechnology. Students will work with the small animals in the lab as well as take field trips to see other animal facilities. Students will complete an agricultural experience outside of the classroom as part of their homework. FFA topics and practical applications will be included as part of this course. **Pre-requisite: Keystone Biology I,II (may take concurrently). Recommended that you have taken Introduction to Ag.**

**8865 Animal Science 2 – Grades 11,12 (36 wks. 1.0 cr.)**

Students that want to continue to expand their knowledge of animals should take This course. This is the second level of animal science. Students will develop an understanding of large animal science and veterinary technology in this course. Through taking this course they will have a working knowledge of basic procedures that veterinary technicians perform including properly restraining animals, taking vital signs, bandaging, assisting in surgeries, and assisting with animal reproduction. They will work with small animals and large animals during the course with some sections of the course of focusing specifically on the handling and management of large animals including cattle, horses, sheep, goats, and pigs. Students will gain experience through field trips. Students will gain leadership skills, management experience, and learn how to properly keep records. Students will complete an agricultural experience outside of the classroom as part of their homework. FFA topics and practical applications will be included as part of this course. **Pre-requisite Keystone Biology I,II; Animal Science 1.**

**8853 Agricultural Leadership/FFA A - (18 wks. .25cr.)**

**8854 Agricultural Leadership/FFA B - (18 wks. .25cr)**

Students will develop skills in public speaking, leadership development, demonstrations, salesmanship and management. Other units of study include FFA history, agricultural careers and business, and etiquette. The class will read leadership development material and complete record books and degree applications for advancement in the FFA. Students will learn more about current agricultural issues, how to advocate for agriculture, and selling a product or managing a business. Students will complete an agricultural experience outside of the classroom as part of their homework. Involvement in the FFA will be part of the grade in this course. This course meets every other day. This course can be taken more than once.

**8872 Agricultural Leadership/FFA A (online)- (18 wks. .25cr.)**

**8873 Agricultural Leadership/FFA B (online)- (18 wks. .25cr.)**

Online courses require the student to be self-disciplined, as well as possess strong time management and communication skills. Students will work independently through the course during a scheduled period in their regular day, allowing the classroom teacher to teach and encourage the process and content as well as address any student concerns or problems, which may arise. Although it is not required that the student have a computer and Internet access at home, it would be advisable to have a back-up plan in mind. The student should plan to use study halls and/or time before/after school in the Library Media Center if he/she needs to make up work for the course. In addition, students can use the Green Free Library in the evenings if necessary. Every Friday, the student will be required to email the teacher with a course progress update. This email should include a "cc" to the parent/guardian. This will allow for regular communication between the student, parent and teacher.

**8870 Supervised Agricultural Experience A – (18 wks. .5cr.)**

**8871 Supervised Agricultural Experience B– (18 wks. .5cr.)**

Students that would like to maintain a SAE project may elect to take this credit. This course must have prior approval from agricultural teacher as there is no classroom time. Students will choose a SAE outside of school hours that is related to a career objective. They will form an agreement with their teacher, parent, or other supervising adult to work in this experience for the length of the course. During this time the student will meet with the teacher on a weekly basis outside of class time to discuss their experience and review their record book. The student will be responsible for completing their record book for the duration of their experience. Students will gain valuable skills by working outside of class time to practice the skills they are learning in class. Students will also gain leadership skills, management experience, and learn how to properly keep records. This course may be taken more than once. **\*Any transportation must be provided by the student.\***

**8649 Introduction to Aviation (AOPA STEM Curriculum) (36 wks. 1.0 cr.)**

This introductory course will provide the foundation for advanced exploration in the areas of flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will look at the problem-solving practices and innovative leaps that transformed space exploration from the unimaginable to the common in a single generation. Students will also gain historical perspective, starting from the earliest flying machines and leading to the wide

variety of modern aircraft and the integral role they play in making today's world work.

**8650 Aviation II (AOPA STEM Curriculum) (36 wks. 1.0 cr.)**

In this course students will use the eight engineering practices to conduct hands-on laboratory experiments that investigate the forces of flight. In addition to building upon topics covered in Intro to Aviation, in this course still will explore an in-depth focus on the following six topics: Getting to Know Aircraft, How Aircraft are Made, Understanding Air, Forces of Flight, Aircraft Sustainability and Control, and Career Skills. Students will continue to explore possible future careers in many different sub-fields within the aviation and aerospace industry. Pre-Requisites: Intro to Aviation

**8651 Aviation III (AOPA STEM Curriculum) (36 wks. 1.0 cr.)**

This course is foundational for both manned and unmanned aviation and will prepare students to take either of two Federal Aviation Administration tests: the Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test. Topics include: pre-flight procedures, airspace, radio communications, aviation phraseology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures.

The Flight Planning course will cover remaining topics necessary for students to take the Federal Aviation Administration's Private Pilot Knowledge Test. Students will learn pilot and aircraft qualifications, cross-country flight planning, weight and balance, performance and limitations, human factors, chart use, night operations, navigation systems, and aeronautical decision making. Students will be provided the opportunity to participate in multiple practice examinations. At the end of this course, a school may choose to arrange for students to be signed off to take the Federal Aviation Administration's Private Pilot written exam.

## **ACCOUNTING, BUSINESS, COMPUTER AND INFO TECH DEPARTMENT**

**8363 Computer (18 wks. .5 cr.) \*This course will NOT count for math credit.**

This course is designed to help students learn essential computer applications for personal, academic, and career success. Students will use a Windows operating system and appropriate file management resources, expand keyboarding skills on computers for speed and accuracy, apply word processing to create, edit, format, print and cite sources. Additionally, students will apply spreadsheet functions to solve business and statistical problems and create and edit charts and graphs to interpret data. Lastly, students will design, create, and execute a PowerPoint presentation which includes appropriate text formatting, graphics, animation, and public speaking skills. The Internet will be used in an ethical manner to research and efficiently retrieve information. Throughout the course, students will work together in teams with their peers to collaborate on various real-world projects applying several computer applications.

**8364 CP Computer Technology (18 wks. .5 cr.) \*This course will NOT count for math credit.**

This course is a great opportunity for a student to learn valuable knowledge and skills pertaining to computer technology. The objective of this course is to provide the student with different aspects of how a computer can be used as a technological tool. We'll explore future trends in technology while providing a "hands-on" experience using word processing, spreadsheet, presentation, solid state components and database software. Students will be encouraged to think,

collaborate, and share different ways to attack and solve problem situations. The student will learn to recognize the capabilities and limitations of the computer and realize that the programmer or human element is more important than the machine. Topics include: computer history, computer hardware and their purposes, introduction to programming, and creating logic circuits with solid state components and microcontrollers.

**8365 CP Computer Programming (36 wks. 1.0 cr.)**

The C# programming language is a great place to start for a student looking to expand into other programming languages. Programming offers students an invaluable opportunity to develop problem-solving skills. The process of defining a problem, breaking it down into a series of smaller problems and writing a program to solve it is an exercise in learning to think logically. Topics include: logic gates, writing methods, decision statements, compound assignment and iteration statements, using C with microcontrollers and much more! Pre-requisites: Computer, Algebra 1-2

**8411 Business Management - Grades 9-12 (36 wks. 1.0 cr.)**

This is an introductory course that covers almost every imaginable area of the business world. The purpose of the course is to give each student a broad foundation on which the other business courses build. Students should leave the course with valuable information about not only working for or running a business, but how to be a better consumer and get the most from their disposable income. Topics include: Business in the Global Economic Environment, Business Organization and Management, Business Operations and Technology, and Personal Financial Management.

**8423 Financial Record Keeping - Grades 10-12 (36 wks. 1.0 cr.)**

Keeping records is an important part of your personal life and in your business career. The primary objective of this course is to teach students how to produce the source documents necessary to efficiently operate a business. Students will complete checking accounts, budgets, financial statements, journals, and other entry-level accounting entries. Payroll and tax information is also covered in this course. Students are introduced to the world of credit from both a personal and business perspective.

**8431 Accounting 1- Grades 11, 12 (36 wks. 1.0 cr.)**

Accounting is the language of business. Being able to understand the language is important for everyone: owners, managers, accounting staff, creditors, potential investors, and nearly everyone who earns money and submits income tax returns. Students will learn the "language" of business while interpreting information from key source documents. Students will learn to journalize this information and then post it to other crucial documents needed by management, owners, and investors. ALL businesses require accurate information to make sound business decisions and report to various government agencies

**8443 Accounting 2 - Grade 12 (36 wks. 1.0 cr.)**

This is a great course for students looking into a business/accounting related career. This course continues building on the principles and concepts of Accounting 1. The emphasis is on departmentalized accounting for corporations. During the year, the students will start a fictitious business and will use an automated software program to maintain their records using the skills

acquired in Accounting 1 and 2. Advanced topics include: management accounting, cost accounting, inventory control and valuation, taxation, and various budgets. Prerequisite: Accounting 1.

**8447 Business Law - Grades 11, 12 (18 wks. .5 cr.)**

Knowing the laws of business is a very important part of running and maintaining a successful enterprise. The purpose of this course is to acquaint the student with the legal problems that are encountered in everyday business dealings and includes units on contract and insurance.

**8759 Web Design- Grades 9-12 (18 wks. .5 cr.)**

The purpose of this course is to learn real-life web design solutions using a wide range of techniques. For business or personal, the students will learn how to acquire a domain name, web server, layout and code functional, multi-page websites. Topics include: HTML, Java Script, CSS and Image Editing software.

### **FOREIGN LANGUAGE – FRENCH**

Do you know what skill is being learned around the world, with enrollments growing by 50% in Asia and Africa? It's French! Globally, French is the second most widely studied language after English. French language and culture have greatly influenced the domains of culinary, theater and dance, and the visual arts. French is also a language of international diplomacy and a global business language. If you are considering a career in any of these domains, a knowledge of the French language and culture will benefit you. When you learn a new language, you never know what doors it may open!

**8511 FRENCH 1 (36 wks. 1.0 cr.)**

In this course students can expect to practice the four skills of language acquisition- listening, speaking, writing, and reading- with an emphasis on the two most urgent skills, speaking and listening comprehension. Students will learn how to communicate information about their immediate surroundings (school, hometown, etc.) and themselves. Throughout the year, we will connect with native speakers from across the French-speaking world. These collaborations will give students an opportunity to put their new skills to use and to learn about other cultures.

**8512 FRENCH 2 (36 wks. 1.0 cr.)**

This course continues the work of French 1, and begins to put a heavier emphasis on writing in the target language as students continue to work on fluency in speaking and listening comprehension. Students will expand their vocabulary and begin to communicate about broader themes and topics. Students will apply their language skills through dramatization, interviews, and illustrations. Students will continue to connect with native speakers from across the French-speaking world and use those connections to analyze cultural differences.

**8541 FRENCH 4 (36 wks. 1.0 cr.)**

French 4 students will continue to work in all four domains of language learning as they dive into the cultures and histories of the French-speaking world. Students will increase their fluency as they learn about important historical

figures and events from pre-history through World War II. In the spring semester, students will read the novella "Le Petit Prince", which was written during the Second World War. They will evaluate important topics and themes in light of their knowledge of the historical and cultural context of the novella.

### **FOREIGN LANGUAGE – SPANISH**

**\*A passing grade is a prerequisite for advancement to the next level in Spanish\***

**8515 SPANISH 1 (36 wks. 1.0 cr.)**

Students will be able to identify countries of the Hispanic world and begin to read, listen, speak, and write in the present tense. They will be able to articulate topics including introductory conversations, their school day, foods, pastimes, sports, and family.

**8525 SPANISH 2 (36 wks. 1.0 cr.)**

Students will be able to compare and contrast American culture with that of Hispanic countries and will continue to read, listen, speak, and write in the present and preterit tenses. They will be able to articulate topics including clothing, shopping, vacation, volunteerism, the environment, & technology.

**8535 SPANISH 3 (36 wks. 1.0 cr.)**

Students will be able to appraise cultural information about the Hispanic world and will deepen their ability to read, listen, speak, and write in the present, preterit, and imperfect tenses. They will be able to articulate topics including driving, giving directions, holidays, natural disasters, medical situations, foods, sports, and television/movies.

**8545 SPANISH 4 (36 wks. 1.0 cr.)**

Students will be able to collaborate with peers to correlate cultural information about the Hispanic world with their own. They will expand upon their ability to read, listen, speak, and write in the present, past, and future tenses, including both the indicative and subjunctive mood. They will be able to articulate topics including foods, travel, lodging, future career plans, the environment, national parks, and famous art works.

**8548 Dual Enrollment Spanish - Grade 11, 12 (18 wks. .5cr)**

Dual Enrollment Spanish is an introductory college level Spanish course which awards 3 college credits to students who successfully complete the class. Students interested in learning how to communicate in Spanish at a novice level will benefit greatly from this course. Through engaging learning activities, students will develop skills in speaking, listening, reading, and writing Spanish. Students will also broaden their world view as they study the culture of the Spanish-speaking world. Acquiring a foreign language is an advantage to all students and will give them a competitive edge in their future career path.

## INDUSTRIAL TECHNOLOGY

- 8713 Drafting 1 (36 wks. 1.0 cr.)**  
For everything that is made, it has to be designed first! This Introductory course introduces students into the World of drawing and design. This course starts with the simpler skills of sketching, lettering, measuring, and works up to and through creating 2d and 3d drawings in AutoCad (computer based drawing). Students will learn drafting skills and standards as they create different types of Drawings in Autocad. An introduction to different areas of drafting will also be explored.
- 8723 Technical Drafting 2 (36 wks. 1.0 cr.) Pre-requisite: Drafting 1**  
This course will be a continuance of the development and use of Autocad. Along with the continuation of development of 2d drawings, More emphasis will begin to be placed on 3d drawings along with the incorporation of Inventor (3d modeling program). Use of the 3D printer will also be incorporated as students learn to design different parts to be printed.
- 8733 Technical Drafting 3 (36 wks. 1.0 cr.) Pre-requisite: Technical Drafting 2**  
A Continuation of Drafting 2, students will have a chance to take their drafting skills to the next level. Students will work on more in depth projects in both the 2d and 3d World. Students will work on individual design projects where they will design and draw projects that will incorporate working and assembly drawings, along with animation of moving parts.
- 8743 Construction Drafting & Design (36 wks. 1.0 cr.)**  
Interested in Designing houses? In this course students will learn the principles of residential construction and how to develop a basic set of architectural plans. The CAD system will be utilized in this development. Material estimates will be developed both manually and with the computer. Pre-requisite: Drafting 1
- 8745 Woodworking 1 (36 wks. 1.0 cr.)**  
Over the course of the year, students will build multiple projects using power tools and hand tools. Students will safely use a variety of bench tools, power hand tools, and hand tools. The course will be graded based on classroom assignments, required projects, and students chosen projects. Grading emphasis is on work ethic and safe shop practices.
- 8747 Woodworking 2 (36 wks. 1.0 cr.)**  
Over the course of the year, students will build multiple projects demonstrating in increasing skill level. The students' projects will build on the skills that students gained in the first level course. Students use a variety of bench tools, power hand tools, and hand tools. The course will be graded based on classroom assignments, required projects, and students chosen projects. Grading emphasis is on work ethic and safe shop practices. Pre-requisite: Woodworking 1
- 8721 Metalworking Technology 1 Grades 9,10,11,12 (36 wks. 1.0 cr.)**  
Like Hands on work, and making things? Students will advance their technological culture and skills by studying and working with metallic substances and related composition. A large portion of this class will involve fabrication and the different types of welding. Other areas covered will be bench metal, foundry, forging, machining, and CNC machining. Class size limit 15. Students will need to pay for any personal shop projects



- 8725 Metalworking Technology 2 - Grades 9,10,11,12 (36 wks. 1.0 cr.)**  
These courses are a continuation of Metalworking Technology I. In this course students will be able to build upon the basic skills they learned in Metalworking Technology I in hopes of developing their skills for a career related to metals. Advanced projects will be done in order to reinforce skills learned in machining and welding.
- 8731 Small Engines Technology (18 wks. .5 cr.)**  
During the semester, students will learn about the theory and operation of two-cycle and four-cycle engines. Students will dismantle and rebuild a four-cycle engine. Additionally, students will complete repairs and maintenance on two-cycle and four-cycle engines.
- 8732 Modular Technology Education (18 wks. .5 cr.)**  
Looking for something different? This course will combine different technology areas such as drafting and fabrication, The design process will be studied, as students will design and fabricate solutions to different problems, and work on real world problems. The course will also be an introduction to hydraulics, pneumatics, and CNC machining.
- 8755 Electricity – Grades 10,11,12 (18 wks. .5 cr.)**  
Students will learn to run and connect residential wiring circuits including Connecting breaker boxes, two-way, three-way, and four-way switches, reading wiring schematics, and calculating current for a circuit.
- 8753 Plumbing – Grades 10,11,12 (18 wks. .5 cr.)**  
Students will learn to make various types of supply and drain line connection; interpret specifications and blueprints to install water , waste, and vent systems; install appliances and equipment; and troubleshoot and repair of common plumbing problems. The safe and appropriate use of tools will be stressed throughout the course.
- 8780 Engineering 1 -(36 weeks, 1.0 credits)**  
Over the course of the year, students will complete several engineering challenges. While completing these challenges, students will learn about safety and ethics in engineering as well as problem-solving and teamwork skills as they apply to the engineering field. Additionally, manufacturing and industrial systems will be introduced.
- 8784 Engineering 2 -(36 weeks, 1.0 credits)**  
This second-level engineering course will have a more in-depth focus on design processes and materials used in engineering. Students will design and model a solution to an engineering problem. Additionally, the properties of materials and their appropriate uses will be investigated. Pre-requisite: Engineering 1

**8785 Engineering 3 -(36 weeks, 1.0 credits)**

This third-level engineering course will examine fluid systems, electrical systems, and automated systems as they relate to engineering. Students will examine fluid dynamics and the maintenance of fluid system. Student will learn basic electronics. Additionally, students will learn how machine controls and automated systems are used in engineering. Pre-requisites: Engineering 2 and Computer Programming

**8786 Engineering 4 -(36 weeks, 1.0 credits)**

This fourth-level engineering course will focus on manufacturing processes and quality control. Students will engage in solving an engineering problem that begins with defining the problem and ends with the development of a manufacturing process to create a solution to the problem. Students will have to consider quality control in their problem solving process. Additionally, students will spend time in this course preparing for the NOCTI exam. Pre-requisite: Engineering 3; Co-requisite: Applied Business

**8757 Photography / Graphics – Grades 11, 12 (36 wks. 1.0 cr.)**

In this exciting course, students will be engaged in learning about digital photography and different areas related to graphic design. Digital photography will cover the proper and technical use of digital cameras, how to properly set-up and take different types Photographs, and digital photo editing programs. The Graphics portion of the class will include an introduction to desktop publishing, vinyl graphics and screen printing. Projects such as matting and framing photographs, Designing/making flyers, signs, and t-shirts will be done. Students are responsible for costs of materials.

**8759 Web Design- Grades 9,10,11,12 (18 wks. .5 cr.)**

The purpose of this course is to learn real-life web design solutions using a wide range of techniques. For business or personal, the students will learn how to acquire a domain name, web server, layout and code functional, multi-page websites. Topics include: HTML, Java Script, CSS and Image Editing software.

**A passing grade is a prerequisite for advancement to the next level in Carpentry Construction classes.**

**8761 Carpentry Construction Technology 1- Grades 9,10,11 (36 wks. 1 cr.)**

Students will be taught safe handling and operation of hand and power construction tools. Our main focus will be placed on the safe handling and uses of a wide variety of materials. Through the use of hands-on activities students will learn proper building techniques and code requirements along with gaining an appreciation and respect for the construction trades. This is a single period course each semester.

- 8763 Carpentry Construction Technology 2- Grades 10, 11, 12 (36 wks. 2 cr.)**  
Students will gain knowledge and skill of framing techniques, roof construction, and exterior finishes. Students will study a variety of materials and their functions. Fabrication installation methods and techniques will be covered with constructive hands on building experiences. In the second semester students will learn basic technical drafting principles, which will include geometric construction and orthographic projection. Students will be introduced to basic masonry and concrete construction. Various principles, styles, and methods will be covered with practical hands on building experiences. This is a double period class each semester.
- 8765 Carpentry Construction Technology 3 - Grades 11,12 (36 wks. 2 cr.)**  
Students will be introduced to Architectural Drafting with a main focus on plot plans, floor plans, and elevation drawings along with reading and interpreting blueprints. Students will also focus on a more in-depth study of masonry principles and materials. These principles and materials along with their applications will be learned through practical hands on building experiences. In the second semester students will be involved in designing and constructing the layout for a kitchen and bathroom. Cabinetry, countertops, plumbing, electrical, and interior finishing will be covered through practical hands on experiences. This is a double period class each semester.
- 8767 Carpentry Construction Technology 4- Grade 12 (36 wks. 2 cr.)**  
Students will be involved in site preparation and layout using a transit and reading blueprints. Construction planning, scheduling, and management, along with basic job estimation will be covered. Students in both semesters will be involved in practical hands on building experiences using knowledge and skills acquired throughout the Building Construction Technology curriculum. This is a double period class each semester.
- 8769 Carpentry Construction Supervised Lab Experience - (18 wks. .5 cr.)**  
A construction lab designed to get additional construction experience in the shop and on the site, to be used with any of the building construction courses. Students may take labs for multiple years. Lab experience is made up of planned practical activities that support the development of the skills, tasks and abilities incorporated in the construction curriculum. It is designed to be an extended classroom/work base learning experience related to the industry. The various lab activities will include in-school and after-school projects, college and industry visitations, and SkillsUSA sponsored functions.

## **INDUSTRIAL TRADES**

- 8771 Intro to Shop Skills (18 wks. .5 credit)**  
Over the course of this first-semester course, students will complete multiple hands-on projects that will introduce the fundamentals of shop safety, hand tools, and power tools. The focus of this course includes basic woodworking and construction projects.

**8772 Shop Skills (18 wks. .5 credit)**

Over the course of this second-semester course, students will complete multiple hands-on projects that will reinforce the fundamentals of shop safety, hand tools, and power tools. The focus of this course includes basic woodworking and construction projects. Pre-requisite: Intro to Shop Skills

**8773 Shop Maintenance and Repair (18 wks. .5 cr.)**

In this course, students will conduct preventative maintenance and repair on shop machinery. They will learn about the properties of AC/DC motors, diesel engines, hydraulic, pneumatic, and electronic system on machinery, clutches and transmissions, as well as rigging and lifting of heavy load. Also included will be instruction on tool repair, electrical repair, and basic fabrication. Students will complete the OSHA 10-hour training for general industry.

**FAMILY & CONSUMER SCIENCE**

**8821 Child Development (36 wks. 1.0 cr.)**

During the year, students will have the opportunity to learn about the family unit, parenting readiness and responsibilities, the challenges of teen pregnancy and single parenthood, and prenatal development, the process of birth, care of the newborn, social, emotional, intellectual, and physical development of infants, toddlers, and preschoolers. The students will have the opportunity to engage in a simulated child care experience and observe child care for multiple age groups.

**8823 Child Care - Grades 10, 11, 12 (36 wks. 2.0 cr.)**

Students In this program will have the opportunity to experience hands-on child care. The Students will be placed at a local child care facility to develop experience working with infants, toddlers, and preschoolers. This program provides an opportunity for students to explore their interest in and aptitude for a child care career. Students will also be required to complete weekly assignments in an online course. Excellent attendance is required and will be monitored. Students must be prepared to arrange their own transportation. Pre-requisite: Child Development

**8835 Introduction to Foods (18 wks. .5 cr.)**

This course is an introduction to the basic skills needed to gain an entry level position in a restaurant. Topics to be covered include kitchen safety and sanitation, safe food storage, reading a recipe and measurements, basic cooking principles, meal planning and preparation, as well as information on food choices and our food supply. Students will have the opportunity to have hands on experience preparing appetizers, main dishes, vegetables, breads, desserts, and seasonal items.

**8841 Foods & Nutrition – Grades 9-12 (18 wks. .5 cr.)**

This upper level course covers the nutritional needs of adolescents and adults in relation to the Food Guide Pyramid. Students will explore the importance of maintaining a healthy lifestyle and making wise food choices. This course will cover nutrition requirement, safety and sanitation practices, and food preparation techniques. Additional topics to be covered include the role of nutrients, energy and metabolism, weight management, eating disorders, and food and fitness trends. Students will apply the practical knowledge gained from the classwork, creating healthy, balanced meals in our professional grade

kitchen. Students will have the opportunity to research recipes, design meals, learn specific cooking techniques, and prepare a variety of healthy foods throughout the course.

## **CULINARY ARTS**

**A passing grade is a prerequisite for advancement to the next level of Culinary Arts classes.**

**8833 Culinary Arts 1– Grades 10, 11, 12 (36 wks. 2.0 cr.)**

This course is an introduction to a career and technical program that provides students with the essential skills needed for employment in the food service industry and as a foundation for a postsecondary education in Culinary Arts. The course follows the ProStart curriculum, a national industry-recognized program, bringing together the restaurant industry and the classroom. From culinary techniques to management skills, ProStart's industry-driven curriculum provides real-life experience opportunities and builds practical skills and a foundation that will last a lifetime. This class brings real-world, hands-on experience, working in a commercial kitchen with industry standard, top of the line equipment. Students take what they have learned in the classroom and apply it through various catering experiences in and out of school as well as through opportunities such as Skills USA competitions and other culinary events. This is a two-period class.

**8843 Culinary Arts 2 – Grades 11, 12 (36 wks. 2.0 cr.)**

This course builds on the knowledge gained in Culinary Arts 1. Topics covered include advanced culinary skills development and application of skills learned in Culinary Arts 1 through exploration of more difficult recipes, requiring advanced skills and techniques. The students will explore regional American cuisine as well as international foods. Students in Culinary Arts 2 also take on the responsibility of creating recipes for desserts and specialty beverages to be sold in our coffee bar, Java Hive, as well as working as a barista on occasion. Through continued work with the ProStart curriculum, students also learn menu development and basic management skills for both front of house and back of the house operations. Students will continue to be involved in the retail food program and special catering functions. This is a two-period class. (Pre-requisite: Culinary Arts 1)

**8845 Culinary Arts 3- Grade 12 (36 wks. 2.0 cr.)**

This course is designed as the advanced exposure to the culinary environment. It uses a commercially equipped kitchen as a learning laboratory while coordinating complementary educational opportunities within the food service community. It integrates the ProStart program and student activities within the school's existing curriculum, and focuses on the acquisition of culinary, business, technical, and problem-solving skills that will give students the tools to successfully continue their food service education and/or position themselves for success in a competitive food service environment. Students will be assigned leadership roles

for the retail food program and be responsible for managing the library coffee café. This is a two-period class. (Pre-requisite: Culinary Arts 2)

**8847 Culinary Arts Supervised Lab Experience- (36 wks. 1.0cr)**

Supervised culinary arts experience is made up of planned practical activities that support the development of the skills and competencies incorporated in the Culinary Arts Curriculum. There is no set classroom time for this class. The various lab activities will include in-school and after-school catering functions, working in the student run café, college and industry visitations and SkillsUSA sponsored functions. This is a single period class and is open to second- and third-year culinary students.

**ARTS, HUMANITIES and MUSIC**

**8150 Journalism - Grades 10, 11, 12 (36 wks. 5 cr.)**

While learning how to gather, assess, create, and present news and information in an unbiased format, students will help create *The Hornet Herald* (our school newspaper). This flexible course works within a variety of schedules, so students can participate through their availability. Sports, weather, special interest stories, editorials and more will be utilized throughout the semester.

**8151 Yearbook - Grades 10, 11, 12 (36 wks. 5 cr.)**

Students in the Yearbook class are the leaders and decision-makers of Wellsboro Area High School's Nessmuk yearbook. In Yearbook class students will complete the myriad of tasks to create a quality yearbook that reflects the pictorial history of the activities for the present school year. Yearbook advisors expect students to actively participate in the following components: develop a theme, design cover, end sheets and title page that reflect the theme, create master designs for each section, create a workable ladder, set up type specs and graphic elements for each section, determine story ideas, conduct interviews, determine photo ideas, set up story and photo assignments to "shoot to the shot," write captions and short informative articles, organize sale and distribution of book, sell advertising, finalize completed computer pages, establish and meet publication deadlines, edit pages. Students will use computer programs such as Adobe PhotoShop, Jostens YearbookAvenue program to edit pictures and design the yearbook. Other software used includes the entire Microsoft Office and Google Suite to complete the tasks. In addition, students will learn how to use a digital camera with zoom lens and scanners.

**8911 9 Music (18 wks. .25 cr.)**

General Music is a semester long adventure into the basics and history of music from caveman days to the present. Students will learn the basics of music notation including reading and writing music and be expected to execute this newfound knowledge through performance. Prominent composers will be researched and reported on to gain appreciation for the art of composition. We will also explore different genres of music and ways of expressing them. This course is VERY research based and independent driven. You'll need to manage your time, dead lines, and pacing wisely.

**8951 Band– Grades 9-12 (36 wks. .5 cr.)**

Band is a robust year long course offered to any learner interested in developing the ability to play a standard band instrument in a large ensemble setting. While prior involvement is a great help, no prior experience is required. Our overall goal is to develop your life-long appreciation for and involvement with instrumental music. A variety of styles and levels of music are covered to enhance your musical and playing ability. These abilities are showcased at our annual Christmas and Spring Concerts as well as the Little League, Memorial Day, Pet and Laurel Festival Parades. Your attendance/participation at these valuable performance opportunities is required. Instrumental lessons are continued and expanded on at the high school. Band members are also strongly encouraged to participate in our Jazz Band, Hand Bell Choir, and Fall Field Show Marching Band (where varsity jackets can be earned).

**8961 Chorus A – Grades 9-12 (18 wks. .25 cr.)**

**8962 Chorus B – Grades 9-12 (18 wks. .25 cr.)**

Chorus is a robust and varied course offered to any learner wishing to expand their interest in music through performance in a large vocal ensemble. Prior experience is of great help, but not required...all students with a positive cooperative attitude are welcome. Our overall goal is to significantly increase your understanding and appreciation of music as an art form you can pursue your whole life long. Emphasis is placed on building solid vocal technique, acquiring musicianship skills, and fostering a sense of ensemble belonging. A wide variety of genres and difficulty levels of music are covered to stretch your ability. These abilities are showcased at our annual Christmas and Spring Concerts. Your attendance/participation at these concerts is required. Chorus students are strongly encouraged to join our robust offerings of specialized vocal ensembles including Dickens, Men's and Women's Choirs. An audition is required. See the director for information.

**8969 Music Theory - Grades 10,11,12 (18 wks. .5 cr.)**

This course is designed for those students pursuing a career in the field of music (things such as recording technician, music educator, performing artist, etc.) Students taking this class must be/have been enrolled in a performing ensemble as a prerequisite. We will cover collegiate level material at a collegiate pass with emphasis on music analysis, structure, aural skills, notation, and theoretical composition. This course is intended to strengthen your musical understanding and prepare you for further musical study in post-secondary degrees.

**8008 Freshman Seminar – Grade 9 (36 wks. .5cr.)**

Beginning in the 2019-20 school year, all incoming ninth-grade students will take Freshman Seminar during their first year of high school. The course is designed to develop students in a number of ways that help them understand who they are as learners, community members, and friends. The course will be a credit-bearing elective course for students and will provide all students with a faculty mentor who will help to guide them to success in high school and beyond. Some topics to be discussed will be Digital Citizenship, Growth Mindset, Financial Literacy, Teamwork & Collaboration Study Skills Communication, Time

**8009 Future Seminar – Grade 11 (36 wks. .5 cr.)**

This course is currently being developed. Will not be offered until 2021-2022

**8971 Introduction to Art - Grades 9-12 (18 wks. .5 cr.)**

This beginner's course is mandatory for graduation credits. This course is open to all grade levels interested in a general background in the visual arts. Students who take Introduction to Art will become familiar with various media and supply locations within the art room. The students will become acquainted with basic materials and techniques through drawing, painting, sculpture, graphics and fibers. Basic skills are developed to emphasize the relationships of creative ideas to the product. Students who will continue to study art in college are recommended to take intro to Art in 9<sup>th</sup> grade. This will create a path to a successful secondary art education for the art driven student.

**8972 Drawing & Painting - Grades 10,11,12 (18 wks. .5 cr.)**

Students who enjoy drawing and painting or those who want more practice are encouraged to take this class! This elective course offers further exploration in drawing and painting. The course includes pencil, pen and ink, crayon, chalk pastels, oil pastels, charcoal, or other drawing tools. An introduction to watercolor, tempera, acrylic, and oil painting are also incorporated. Value will be introduced as an important element of design to increase skills in 3 dimensional representations. Elements and principles of design will be incorporated into various assignments. Drawing projects alternate painting projects throughout the semester to keep the class interesting and students involved.

Pre-requisite: Intro to Art

**8977 Advanced Drawing & Painting - Grades 10,11,12 (18 wks. .5 cr.)**

Students who enjoyed the Drawing and Painting course will love this advanced class. This advanced course offers further exploration in drawing and painting. Special techniques in pencil, pen and ink, charcoal, pastels and other drawing tools as well as watercolor, tempera, acrylic and oil painting will be emphasized. The element of design value will continue to be emphasized in most assignments. Continued study and review of elements and principles of design in correlation to assignments will be presented. Assignments will be more challenging for students by increasing their creative problem - solving skills. Pre-requisite: Drawing and Painting, Intro to Art

**8978 Color & Design - Grades 10,11,12 (36wks. 1.0 cr.)**

Color and Design entails a combination of drawing, painting, and some out of the box two-dimensional projects. Three-dimensional projects will be created when clay is introduced in one of the 4 marking periods. Starting with a review of color theory, the class will explore the full range of creative options combining color and design. Progressing to the basic elements of composition and pictorial structure, students will learn to observe, understand, and solve a wide range of problems on a two-dimensional surface utilizing a variety of art materials applicable to the given problem. Ceramics will be included and utilized in creative



problem solving through a few three-dimensional assignments. Color and design objectives will be included in ceramic projects. Exploration in clay using hand building techniques in the creation of clay objects both sculptural and functional. An introduction to the potter's wheel will be offered for those interested. Pre-requisite: Intro to Art

**8980 Oil Painting - Grades 11,12 (36wks. 1.0 cr.)**

This is my favorite class! Oil paints will be introduced as an advanced painting class. Students will need to take care of their brushes and supplies as part of their class grade. Students will need to take special care of their paintings "in the works" due to the long drying process. This course will be an opportunity to assist the serious art student in learning the basics of oil painting. Students will be taught simple steps to a successful finished piece through a series of oil painting assignments. Various color combinations, subject matter and painting surfaces will be explored. Oil paints are a durable and lasting medium that immortalizes one's vision! Students will research a famous master artist from the past. A short biography and description of the artist's style will be explained along with an oil painting by the student in that artist's style. Students will present their work and research to the class. Students should be developing their own unique painting styles by the by the end of this year long course. Pre-Requisites: Intro to Art, Drawing and Painting and Advanced Drawing and Painting

**8941 Teacher Aide Program A – Grades 11,12 (18wks 1.0 cr)**

**8942 Teacher Aide Program B – Grades 11,12 (18wks 1.0 cr)**

This program provides an opportunity for students to explore their interest in and aptitude for a teaching career. It provides a realistic experience in working with children for those students who are considering professional level careers in related fields. Students will be assigned to an elementary or middle school teacher for each marking period. Students will also be required to complete weekly assignments in an online course. Excellent attendance is required and will be monitored. Students must be prepared to arrange their own transportation.

## PHYSICAL EDUCATION

PE classes require a change of clothing. Students need a T-shirts, athletic shorts or sweatshirt and sweatpants in addition to sneakers. Lockers are available for students but they must supply their own combination locks.

**8985 Personal Fitness - 9 – 12 Grade (18wks. .25 cr.) 1<sup>st</sup> semester**

**8986 Personal Fitness – 9 - 12 Grade (18wks. .25 cr.) 2<sup>nd</sup> semester**

Personal Fitness is designed with the intent to educate students on the Components of fitness and how to apply the components to their fitness habits. The students will learn how to enhance their flexibility, cardio vascular fitness, muscular endurance, muscular strength, develop a positive attitude towards exercising, and responsible fitness habits. This class will incorporate a wide variety of activities showing students various ways they can achieve exercise. Health will be incorporated into this course

**8987 Team Sports - 9 -10 Grade (18 wks. .25 cr.) 1<sup>st</sup> semester**

**8988 Team Sports - 9 -10 Grade (18 wks. .25 cr.) 2<sup>nd</sup> semester**

**8989 Team Sports -11 - 12 Grade (18 wks. .25 cr.) 1<sup>st</sup> semester**

**8990 Team Sports -11 - 12 Grade (18 wks. .25 cr.) 2<sup>nd</sup> semester**

This course will allow students to gain the knowledge necessary to become an Educated participant and spectator. The involvement in specific sports provides an atmosphere that is enjoyable, promotes cooperation among peers and develops an appreciation for the degree of fitness necessary to participate. Team sports that may be offered include, but are not limited to, basketball, football, volleyball, soccer, lacrosse, softball/whiffle ball, speedball, team handball, ultimate frisbee/football and track & field events. The ability to work together towards a common goal is an essential part of team sports, as well as an important life skill. Health will be incorporated into this course.

**8993 Individual Sport/ Lifetime Activities – 9 – 12 Grade (18 wks. .25 cr.) 1<sup>st</sup> semester**

**8994 Individual Sport/ Lifetime Activities – 9 - 12 Grade (18 wks. .25 cr.) 2<sup>nd</sup> semester**

Students will acquire the requisite knowledge to be able to lead a physically Active lifestyle. They will engage in activities that they can participate in for the rest of their lives. A variety of activities will be offered to expose students to different skills related to lifetime activities. The activities may include, but are not limited to, table tennis, badminton, pickleball, ultimate frisbee, bocce, horseshoes, fitness walking, strength and cardio training. Learning these lifetime passions will help students stay strong and healthy as they move through life. Health will be incorporated into this course.

**8983 Adaptive Physical Education - (36 wks. .50 cr.)**

Adapted PE is for identified students with extreme exceptionalities. The focus of this course will be on overall fitness development. The fitness center will be utilized to target aerobic stamina, balance, coordination, strength and flexibility components. The gym will also be used to expose the students to various lifetime activities. These activities will not only encourage lifelong movement, but they will also help promote positive interactions in cooperative situations and develop socialization skills that are both important life skills.

## **SCHOOL TO WORK**

**8100 School-to-Work A -Grade 11,12 (18 wks. .50 cr.)**

**8101 School-to-Work B – Grade 11,12 (18 wks. .50 cr.)**

School-to-Work is designed for students who would like to extend their learning experience into the workplace. Students must apply and go through a competitive interview process with one of the numerous employers that have agreed to participate in the program. Students will be required to work (7) hours a week to receive credit. Students are required to make up all work missed in their regular classes. The employer will determine employee's salary compensation, if any. Additional requirements for the STW Student are to complete a weekly log check and to complete a daily log.

# CAREER AND TECHNICAL EDUCATION CURRICULUM SEQUENCES

The following courses with CIP codes have articulations with PA colleges and some of our programs have articulations with colleges outside of PA. This allows our students opportunities of receiving college credit for courses done while in high school.

## **Building Construction Technology**

**CIP 46.9999**

## **Carpentry/Carpenter**

**CIP 46.0201**

Students will be taught the safe handling and operation of hand and power tools. We will be emphasizing will be on the safe handling and use of a wide variety of building materials. Through the use of hands-on activities, students will learn proper building techniques and code requirements along with gaining an appreciation and respect for the Construction Trades.

## **Horticulture and Plant Science**

**CIP 01.0601**

A combination of organized subject matter and practical experiences are used to prepare individuals to produce, process and market plants, shrubs and trees used principally for ornamental, recreational and aesthetic purposes and to establish and manage horticultural enterprises. Students will learn plant physiology, propagation techniques, and landscape and floral design. Students will manage the two greenhouses at the school and will landscape around the school and community.

## **Ag. General**

**CIP 01.0000**

An instructional program that generally describes the principles and practices of agricultural research and production and may prepare individuals to apply such knowledge and skills to the solution of practical agricultural problems. This program includes instruction in basic animal, plant, soil science and mechanization, animal husbandry, plant cultivation, soil conservation and mechanical technology. Instruction may include an emphasis in aquaculture, hydroponics, food science and/or environmental science.

## **Agricultural Mechanics**

**CIP 01.0201**

This is an instructional program that prepares individuals to sell, select, and service agriculture or agribusiness technical equipment and facilities including computers, specialized software, power units, machinery, equipment, structures and utilities. This program includes instruction in agriculture power units, mechanical systems, the planning and selection of materials for the construction of agriculture facilities, safe mechanical practices, water conservation, erosion control, and data processing systems.

## **Culinary Arts**

**CIP 12.0508**

A three-year program, Culinary Arts provides students with classroom and hands-on experiences in large-scale food production. Students learn about food safety and proper preparation along with managing the school restaurant.

## **Engineering Technologies/Technician Program CIP 15.9999**

This program prepares individuals to apply knowledge and skills in the engineering field. Instruction includes, but is not limited to, safety, ethics, power, problem solving, teamwork, engineering graphics, automated systems, fundamental electronics, and manufacturing systems as well as adhering to the Science, Technology, Engineering and Mathematics (STEM) Initiative.

## CAREER AND TECHNICAL EDUCATION ARTICULATION AGREEMENTS

This is an agreement between secondary and postsecondary institutions that allow qualified programs and courses in the secondary to count for postsecondary education credits leading to an industry credential or certificate at the postsecondary level or an associate or baccalaureate degree. If you want to know what schools our programs have articulations with across PA you can look at [www.collegetransfer.net](http://www.collegetransfer.net). We have some out of state articulations depending on the program. Questions about this please talk with your guidance counselor.

### CAREER AND TECHNICAL EDUCATION CURRICULUM SEQUENCES

The CTE Curriculum can prepare students for a smooth transition from our secondary CTE program into a postsecondary education program of study. Students are encouraged to take courses that challenge them and lead them on a pathway to postsecondary success. Technical sequences will meet the minimal technical core area competencies of articulated postsecondary institutions.

**Building Construction Tech.  
Carpentry/Carpenter**

**CIP: 46.9999**

**CIP: 46.0201**

SUBJECT	Grade 9	Grade 10	Grade 11	Grade 12
MATH	Any sequence of four credits of Mathematics.			
ENGLISH (4.0 Credits )	9 English or 9 Honors English	10 English or 10 Honors English	11 English or 11 Honors English	12 English or AP English and AP Composition
SCIENCE (4.0 Credits)	Keystone Biology I	Keystone Biology II	Chemistry or Physical Science	Conceptual Physics or CP Physics or Honors Physics
SOCIAL STUDIES (4.0 credits )	Historical Perspectives I	Historical Perspectives II	Government Economics & Honors Government & Economics	Applied Psychology Dual Enroll Psych Justice Education Sociology Contemporary Affairs Crimes, Criminals & Courts AP Government (Must take 1.0 credit o classes)
HUMANITIES (2.5 credits )	Intro to Art (.5)  Music (.25)			
PHYSICAL EDUCATION (2.0 Credits)	Health & Physical Education	Health & Physical Education	Health & Physical Education	Health & Physical Education
TECHNICAL	Building Construction Technology 1 (Single Period) Electricity .5	Building Construction Technology 2 (Double Period)	Building Construction Technology 3  (Double Period)	Building Construction Technology 4  (Double Period)

**Possible Occupations: Mason, Drywall Installer, Painter, Electrician, Plumber Contractor, Carpenter**

# Engineering Technologies/Technician Scope and Sequence 15.9999

CIP:

Subject – Hours	Grade 9 – Hours	Grade 10 – Hours	Grade 11 – Hours	Grade 12 - Hours
<b>TECHNICAL – 360 Hours</b>	<b>Engineering 1</b>	<b>Engineering 2</b>	<b>Engineering 3</b>	<b>Engineering 4</b>
	<b>Drafting 1</b>	<b>Drafting 2</b>	<b>Electricity and Plumbing</b>	<b>Small Engines and Shop Maintenance</b>
		<b>Computer Programming</b>	<b>Environmental Science</b>	<b>Applied Business</b>
				<b>School to Work</b>
<b>English (4)</b>	<b>9 English or 9 Honors English</b>	<b>10 English; 10 English; or 10 Honors English</b>	<b>11 English; 11 English; or 11 Honors English</b>	<b>12 English; 12 English; or AP English and AP Composition</b>
<b>Math (4)</b>	<b>Any sequence of four credits of Mathematics.</b>			
<b>Science (4)</b>	<b>9 Science or 9 Science</b>	<b>Biology or Biology</b>	<b>Chemistry or Physical Science – Chemistry and Physical Science - Physics</b>	<b>CP Physics or Honors Physics</b>
<b>Social Studies (4)</b>	<b>American History or Honors American History</b>	<b>Honors Government and Economics Government and Economics</b>	<b>World History Honors World History</b>	<b>Applied Psychology Dual Enrollment Psychology Sociology Criminal Fiction Contemporary Affairs Justice Education AP Government</b>
<b>Humanities</b>	<b>Music</b>	<b>Intro to Art</b>		
<b>Physical Education</b>	<b>Health &amp; Physical Education</b>	<b>Health &amp; Physical Education</b>	<b>Health &amp; Physical Education</b>	<b>Health &amp; Physical Education</b>

# Horticulture and Plant Science

CIP: 01.0601

SUBJECT	Grade 9	Grade 10	Grade 11	Grade 12
<b>MATH</b>	Any sequence of four credits of Mathematics.			
<b>ENGLISH</b> (4.0 Credits )	9 English or 9 Honors English	10 English or 10 Honors English	11 English or 11 Honors English	12 English or AP English and AP Composition
<b>SCIENCE</b> (4.0 Credits )	Keystone Biology I	Keystone Biology II	Chemistry or Physical Science	Field Biology Adv. Biology CP Physics Conceptual Physics Honors Physics
<b>SOCIAL STUDIES</b> (4.0 credits)	Historical Perspectives I	Historical Perspectives II	Government & Economics Honors Government & Economics	Applied Psychology Dual Enrollment Psychology Sociology Crimes, Criminals & Courts Justice Education AP Government (Must take 1.0 credit of classes)
<b>HUMANITIES</b> (2.5 credits)	Music (.25)	Intro to Art (.5)		
<b>PHYSICAL EDUCATION</b> (2.0 Credits)	Health and Physical Education	Health and Physical Education	Health and Physical Education	Health and Physical Education
<b>TECHNICAL</b>	Intro to Ag Science	Plant Science 1 (mandatory)	Plant Science 2 (mandatory)	Natural Resource Management
<b>TECHNICAL</b>		Keystone Biology I,II  FFA Leadership	Chemistry  FFA Leadership	FFA Leadership
<b>TECHNICAL</b> (this course will be done outside of school)	Supervised Agricultural Experience	Supervised Agricultural Experience	Supervised Agricultural Experience	Supervised Agricultural Experience

\*Foreign Language is recommended but not required .

**Possible Occupations:** Plant breeder, Plant ecologist, Plant scientist, Tree surgeon, Park manager, Aqua culturist, Forest ranger, Timber manager, Flower grader, Floral designer, Horticulturist, Hydroponics grower, Beekeeper, Crop farmer, Equipment operator, Forester, Groundskeeper, Landscape architect, Landscape installation, Soil scientist, Tree farmer, Turf grass manager

# Ag. General Scope and Sequence

CIP: 01.0000

Subject – Hours	Grade 9 – Hours	Grade 10 – Hours	Grade 11 – Hours	Grade 12 - Hours
English (4)	9 English or 9 Honors English	10 English; or 10 Honors English	11 English; or 11 Honors English	12 English; or AP English and AP Composition
Math (4)	Any sequence of courses that meet PSSA standards	<i>Geometry</i>		
Science (4)	Keystone Biology I	Keystone Biology II	Chemistry or Physical Science – Chemistry and Physical Science - Physics	<i>Physics</i> ; Physics; or Honors Physics Field Biology and Advance Biology Plant Science Animal Science
Social Studies (4)	Historical Perspectives I	Historical Perspectives II	Government & Economics  Honors Government & Economics	Applied Psychology Dual Enrollment Psychology Sociology Criminal Fiction Contemporary Affairs Justice Education AP Government
Humanities	Music	Intro to Art		
Physical Education	Health & Physical Education	Health & Physical Education	Health & Physical Education	Health & Physical Education
TECHNICAL – 360 Hours	Intro to Ag.	Animal/Plant Science 1	Animal/Plant Science I	Shop Skills
	Woodworking 1/Metal 1	Natural Resource Management	Small Gas Engines + Electricity	Carpentry Construction
	SAE	SAE	SAE	SAE
	<i>Leadership</i>	<i>Leadership</i>	<i>Leadership</i>	<i>Leadership</i>
			Drafting	School to Work

# Agricultural Mechanics Scope and Sequence

CIP:

01.0201

Subject – Hours	Grade 9 – Hours	Grade 10 – Hours	Grade 11 – Hours	Grade 12 - Hours
English (4)	9 English or 9 Honors English	10 English; or 10 Honors English	11 English; or 11 Honors English	12 English; or AP English and AP Composition
Math (4)	Any sequence of courses that meet PSSA standards	<i>Geometry</i>		
Science (4)	Keystone Biology I	Keystone Biology II	Chemistry or Physical Science – Chemistry and Physical Science - Physics	<i>CP Physics</i> ; Physics; or Honors Physics Field Biology and Advanced Biology Plant Science Animal Science
Social Studies (4)	Historical Perspectives I	Historical Perspectives II	Government & Economics  Honors Government & Economics	Applied Psychology Dual Enrollment Psychology Sociology Criminal Fiction Contemporary Affairs Justice Education AP Government
Humanities	Music	Intro to Art		
Physical Education	Health & Physical Education	Health & Physical Education	Health & Physical Education	Health & Physical Education
TECHNICAL – 360 Hours	Intro to Ag.	Leadership/FFA and SAE or NRM	Leadership/FFA and SAE or NRM	Environmental Science
	Woodworking 1 or Intro to Shop Skills	Electricity	Wood I or Wood II	Small Engines and Shop Maintenance
	Drafting	Carpentry Construction I	Metal	Business Management
				School to Work

# Culinary Arts

CIP: 12.0508



<b>SUBJECT</b>	<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
<b>MATH</b>	<b>Any sequence of four credits of Mathematics .</b>			
<b>ENGLISH</b> (4.0 Credits )	<b>9 English or 9 Honors English</b>	<b>10 English or 10 Honors English</b>	<b>11 English or 11 Honors English</b>	<b>12 English or AP English and AP Composition</b>
<b>SCIENCE</b> (4.0 Credits)	<b>Keystone Biology I</b>	<b>Keystone Biology II</b>	<b>Chemistry or Physical Science</b>	<b>Field Biology Adv. Biology Physics Conceptual Physics Honors Physics</b>
<b>SOCIAL STUDIES</b> (4.0 credits )	<b>Historical Perspectives I</b>	<b>Historical Perspectives II</b>	<b>Government &amp; Economics Honors Government &amp; Economics</b>	<b>Applied Psychology Dual Enrollment Psychology Sociology Crimes, Criminals &amp; Courts Justice Education AP Government (Must take 1.0 credit of classes)</b>
<b>HUMANITIES</b> (2.5 credits)	<b>Music (.25)</b>	<b>Intro to Art (.5)</b>		
<b>PHYSICAL EDUCATION</b> (2.0 Credits)	<b>Health and Physical Education</b>	<b>Health and Physical Education</b>	<b>Health and Physical Education</b>	<b>Health and Physical Education</b>
<b>TECHNICAL</b>		<b>Culinary Arts 1 (Double Period)</b>	<b>Culinary Arts 2 (Double period)</b>	<b>Culinary Arts 3 (Double period)</b>

**Possible Occupations: Restaurant Chef, Frontline Server, Specialist in Culinary Departments (example given, Pastry Arts, Cake Decoration) Restaurant Manager, Hospitality Manager, Nutritionist, Cafeteria Manage**

# High School Course List

Code	Course	Credits	Grade (s)	NCAA Approved
	English Department			
8111	9 Honors English	1	9	Y
8112	9 CP English	1	9	Y
8113	9 English	1	9	
8121	10 Honors English	1	10	Y
8123	10 CP English	1	10	Y
8127	10 English	1	10	
8129	PSAT/SAT Preparation	0.5	10,11	
8131	11 Honors English	1	11	Y
8132	11 CP English	1	11	Y
8133	11 English	1	11	
8141	AP English	1	12	Y
8143	AP Composition	0.5	12	Y
8144	12 CP English	1	12	Y
8148	12 English	1	12	
8152	Creative Writing	.5	9-12	
8157	Dual Enrollment College Writing	0.5	11, 12	Y
	Social Studies Department			
8223	Historical Perspectives I	1	9	Y
8214	Historical Perspectives II	1	10	Y
8231	Government & Economics	1	10	Y
8235	Honors Government & Economics	1	10	Y
8233	AP Government	1	10, 11	Y
8243	Sociology	0.5	11, 12	Y

8244	Applied Psychology	0.5	11, 12	Y
8246	Justice Education	0.5	11, 12	Y
8211	World Religions (new)	0.5	11,12	pending
8251	Dual Enrollment Psychology	0.5	11, 12	Y
8252	AP Psychology	.5	11,12	Y
8255	Crimes, Criminals, & Courts	0.5	11, 12	Y
8239	Sports & Social Sciences	0.5	12	Y
8019	College Readiness	0.5	11, 12	
<b>Code</b>	<b>Course</b>	<b>Credits</b>	<b>Grade (s)</b>	<b>NCAA Approved</b>
	Math Department			
8311	Pre-Algebra	1	9	
8351	Algebra 1	1.5	9,10,11	Y
8353	Algebra 2	1	9,10,11	Y
8323	Geometry	1	10,11,12	Y
8337	Algebra 3	1	11,12	Y
8333	Pre-Calculus	1	10,11,12	Y
8342	Calculus	1	11,12	Y
8344	AP Calculus Ab	1	11,12	Y
8346	Probability & Statistics	1	11,12	Y
8357	AP Calculus BC	1	12	pending
8359	Dual Enrollment College Algebra	0.5	11, 12	Y
	Science Department			
8627	Keystone Biology I	1.5	10	Y
8629	Keystone Biology II	1.5	10	Y

8625	Physical Science-Chemistry	0.5	11	Y
8626	Physical Science-Physics	0.5	11	Y
8631	Chemistry	1	11	Y
8661	AP Chemistry	1	11	Y
8633	Advanced Biology	0.5	11,12	Y
8634	Field Biology	0.5	11,12	Y
8647	Conceptual Physics	1	11,12	Y
8641	CP Physics	1.5	11,12	Y
8643	CP Honors Physics	1.5	11,12	Y
8655	Anatomy/Physiology	1	11,12	Y
8657	Microbiology	0.5	11,12	Y
8851	Intro to Agriscience, Food, & Natural Resources	1	9,10	
8855	Natural Resource Management	1	10,11,12	
8857	Plant Science & Horticulture 1	1	10,11,12	
8859	Plant Science & Horticulture 2	1	10,11,12	
8875	Environmental Science	1	11, 12	
8863	Animal Science 1	1	10,11,12	
8865	Animal Science 2	1	11,12	
8853/8854	Agriculture Leadership/FFA (A&B)	0.25	9-12	
8872/8873	Agriculture Leadership/FFA (A&B) (Online)	0.25	9-12	
8870/8871	Supervised Agricultural Experience (A&B)	0.5	9-12	
8649	Intro to Aviation	1.0	9	
8650	Aviation II	1.0	10	
8651	Aviation III	1.0	11	
<b>Code</b>	<b>Course</b>	<b>Credits</b>	<b>Grade (s)</b>	<b>NCAA Approved</b>
	Business/Computer			
8363	Computer	0.5		
8364	CP Computer Technology	0.5		

<b>8365</b>	<b>CP Computer Programming</b>	<b>1</b>		
<b>8411</b>	<b>Business Management</b>	<b>1</b>	<b>9-12</b>	
<b>8423</b>	<b>Financial Record Keeping</b>	<b>1</b>	<b>10,11,12</b>	
<b>8431</b>	<b>Accounting I</b>	<b>1</b>	<b>11,12</b>	
<b>8443</b>	<b>Accounting II</b>	<b>1</b>	<b>12</b>	
<b>8447</b>	<b>Business Law</b>	<b>0.5</b>	<b>11,12</b>	
<b>8759</b>	<b>Web Design</b>	<b>0.5</b>	<b>9-12</b>	
	<b>Foreign Languages</b>			
<b>8511</b>	<b>French 1</b>	<b>1</b>		<b>Y</b>
<b>8521</b>	<b>French 2</b>	<b>1</b>		<b>Y</b>
<b>8541</b>	<b>French 4</b>	<b>1</b>		<b>Y</b>
<b>8515</b>	<b>Spanish 1</b>	<b>1</b>		<b>Y</b>
<b>8525</b>	<b>Spanish 2</b>	<b>1</b>		<b>Y</b>
<b>8535</b>	<b>Spanish 3</b>	<b>1</b>		<b>Y</b>
<b>8545</b>	<b>Spanish 4</b>	<b>1</b>		<b>Y</b>
<b>8548</b>	<b>Dual Enrollment Spanish</b>	<b>0.5</b>	<b>11,12</b>	<b>Y</b>
	<b>Industrial Technology</b>			
<b>8713</b>	<b>Drafting 1</b>	<b>1</b>		
<b>8723</b>	<b>Technical Drafting 2</b>	<b>1</b>		
<b>8733</b>	<b>Technical Drafting 3</b>	<b>1</b>		
<b>8743</b>	<b>Construction Drafting &amp; Design</b>	<b>1</b>		
<b>8745</b>	<b>Woodworking 1</b>	<b>1</b>		
<b>8747</b>	<b>Woodworking 2</b>	<b>1</b>		
<b>8721</b>	<b>Metalworking Technology 1</b>	<b>1</b>	<b>9,10,11,12</b>	
<b>8725</b>	<b>Metalworking Technology 2</b>	<b>1</b>	<b>9,10,11,12</b>	
<b>8731</b>	<b>Small Engine Technology</b>	<b>0.5</b>		
<b>8732</b>	<b>Modular Technology Education</b>	<b>0.5</b>		
<b>8753</b>	<b>Plumbing</b>	<b>0.5</b>		
<b>8755</b>	<b>Electricity</b>	<b>0.5</b>	<b>10,11,12</b>	

8780	Engineering I	1.0		
8784	Engineering II	1.0		
8785	Engineering III	1.0		
8786	Engineering IV	1.0		
8757	Photography/Graphics	1	11,12	
8761	Carpentry Construction Technology 1	2	9,10,11	
8763	Carpentry Construction Technology 2	2	10,11,12	
8765	Carpentry Construction Technology 3	2	11,12	
8767	Carpentry Construction Technology 4	2	12	
8769	Carpentry Construction Supervised Lab Experience	0.5		
<b>Code</b>	<b>Course</b>	<b>Credits</b>	<b>Grade (s)</b>	<b>NCAA Approved</b>
	Industrial Trades			
8771	Intro to Shop Skills	0.5		
8772	Shop Skills	0.5		
8773	Shop Maintenance and Repair	0.5		
	Family & Consumer Science			
8821	Child Development	1		
8823	Child Care	2.0	10,11,12	
8835	Introduction to Foods	.5		
8841	Foods & Nutrition	.5		
	Culinary Arts			
8833	Culinary Arts 1	2	10,11,12	
8843	Culinary Arts 2	2	11,12	
8845	Culinary Arts 3	2	12	
8847	Culinary Arts Supervised Lab Experience	1		
	Humanities/Music			
8150	Journalism	0.5	10,11,12	
8151	Yearbook	0.5	10,11,12	

8911	9 Music	0.25	9	
8951	Band	0.5	9,10,11,12	
8961	Chorus A	0.25	9,10,11,12	
8962	Chorus B	0.25	9,10,11,12	
8969	Music Theory	0.5	10,11,12	
8008	Freshman Seminar	0.5	9	
8009	Future Seminar	TBD		
	Art			
8971	Introduction to Art	0.5	9,10,11,12	
8972	Drawing & Painting	0.5	10,11,12	
8977	Advanced Drawing & Painting	0.5	10,11,12	
8978	Color & Design	1	10,11,12	
8980	Oil Painting	1	11,12	
8941	Teacher Aide A	1	11,12	
8942	Teacher Aide B	1	11,12	
	Physical Education			
8985/8986	Personal Fitness	0.25	9-12	
8987/8988	Team Sports	0.25	9,10	
8989/8990	Team Sports	0.25	11,12	
8993/8994	Individual Sport/Lifetime Activities	0.25	9-12	
8983	Adaptive Physical Education	0.5		
	School-To-Work			
8100/8101	School-To-Work A/B	0.5	11,12	

