

*Mohawk High School  
Program of Studies  
&  
Career Pathway Guide  
2022-2023*



Dear Students and Parents,

We are proud to share the variety of challenging and engaging courses that we will be offering at Mohawk High School for the 2022-2023 school year. This Program of Studies is intended to give parents and students a brief description of these course offerings. You will be making some important and often difficult decisions in the next four years, so please read this carefully. The choices you will make in regards to your academic career will provide the foundation for determining the college or university that you will attend, the type of career that you will have, and your preparation while in high school.

The Ohio Department of Education is persistent in its efforts to improve curriculum, instruction, and assessment. Due to many of the new laws and standards that have passed, special attention should be given to pages 4 and 5 of this guide. These pages outline the requirements for graduation from Mohawk High School.

If you are undecided as to what classes you would like to pursue, please make an appointment with Mrs. Snay or Ms. Zellner, our school Counselors. They can provide some guidance in order to assist you in making the best choices in preparing for your future endeavors.

Our staff is also looking forward to helping you succeed as a high school student and prepare for your future.

Sincerely,

Mr. Robert Chevalier  
JH/HS Principal

# TABLE OF CONTENTS

Message from the School Counselors.....	3
Graduation Requirements.....	4-5
Career Pathways.....	5-6
Class Rank.....	6
College Preparatory Information.....	7
Sentinel Career & Technology Center.....	8
Diploma with Honors.....	9
NCAA Eligibility Standards.....	10
High School Clubs and Activities.....	11-12

## COURSE DESCRIPTIONS

Agriculture Education.....	13-15
Business.....	15
College Credit Plus (CCP).....	15
Digital Academy Courses.....	15
English.....	15-16
Fine Arts.....	16-18
Foreign Languages.....	18-19
Industrial Technology.....	19
Math.....	20-21
Miscellaneous.....	21
Physical Education/Health.....	21
Science.....	22
Social Sciences.....	23

## SENTINEL CAREER AND TECHNOLOGY CENTER

Automotive Technology.....	23
Building Construction Trades.....	24
Business Administration.....	24
Career Exploration.....	24
Careers in Education.....	24
Collision Repair Technology.....	24
Cosmetology.....	25
Culinary Arts & Hospitality Mgmt. ....	25
Digital Technologies.....	25
Electrical Trades.....	25
Engineering, Technology & Robotics.....	25
Health Careers Academy.....	25
Independent Living.....	26
Nail & Esthetics.....	26
Precision Machining.....	26
Public Safety.....	26
Senior Only STNA Program.....	26
Welding & Fabrication Technology.....	26
Honors Diploma Field Experience and Portfolio Proposal.....	Appendix A
Digital Academy PEAK Courses.....	Appendix B

(Page numbers will be updated once context no longer needed is removed.)

Approved by the Mohawk Board of Education

## For Parents and Students

### Message from the School Counselors

Planning a course of study for the high school years is one of the most important steps that you as a student will take toward being prepared for meeting the challenges of the post-high school years. Therefore, you should take the time to review your goals, interests and abilities before you make your course selections.

Start by asking yourself these questions:

1. What is my previous school record?
2. What are my special talents and abilities and how can I use them?
3. Where am I headed after graduation?
4. What are my long-term plans for the future? What do I want to be doing five or ten years after graduation?
5. What high school courses or other optional courses do I need to get started toward these goals?

As counselors, we will work with each of you as you select those courses which will be vital to your post-high school years. You are also encouraged to seek out the advice and counsel of your parents and teachers. Remember, the courses you select are the means of reaching your future goals. If they are not selected carefully and thoughtfully, you may become sidetracked and even lose sight of your post-high school goals

**At the time of scheduling, a parent's signature is required.** Parents are asked to make every effort to discuss with your son or daughter the selection of courses. If parents have any questions about course selection, please call the school at 419-927-6222.

**Students not entering course requests online or turning in a Course Selection Sheet will be assigned courses by the counselors. Unless you are taking college classes, no student may have more than one study hall per day. Students need to make sure they request, take and pass at least 5 credits worth of classes each quarter to maintain eligibility.**

All schedule changes must be made within the first week of school. Students may not change their schedules or add/drop courses without completing the Course Change Request Form. Changes after the first week of the school year must be approved by the principal.

*Mrs. Snay, Ms. Zellner*

## Graduation Requirements

<u>Class</u>	<u>Credits</u>								
	<u>Eng.</u>	<u>Math</u>	<u>Sci</u>	<u>SS</u>	<u>Health/PE</u>	<u>Tech. Appl.</u>	<u>Fine Art</u>	<u>Elect.*</u>	<u>Total</u>
Current Mohawk Graduation Requirements	4	4	3	4	1	.5	1	3.5	21

### Required subjects each year:

- Freshman:** ~~English~~  
~~Algebra 1 (Geometry Prerequisite Algebra 1)~~  
~~Physical Science~~  
~~World History~~  
~~Health~~  
~~Technology Applications~~  
~~Physical Education if needed~~
- Sophomore:** ~~English~~  
~~Geometry (Algebra 2 Prerequisite Geometry)~~  
~~Biology~~  
~~American History~~  
~~Health if needed~~
- Junior:** ~~English~~  
~~Algebra 2A or Algebra 2 (Pre-Calculus Prerequisite Algebra 2)~~  
~~Government~~  
~~Science~~
- Senior:** ~~English~~  
~~Economics~~  
~~Math Completion of Algebra 2, Pre-Calculus, Calculus, or Transition Math~~

~~Note: Changes to the required classes may be made with administrator approval.~~

### Physical Education Waiver:

Students in the Mohawk Local School District in grades 9-12 who successfully complete two seasons of interscholastic athletics, marching band, show choir, or cheerleading may be excused from the high school physical education graduation requirement. The “two full season” requirement may be completed within a single school year and must be completed by the end of a student’s junior year. Once a student has completed BOTH seasons necessary to be exempt from physical education, the student will turn in a completed Physical Education Exemption Form that lists the two sports/band/show choir/cheerleading seasons completed, to the guidance office. Please be aware that this exemption may not transfer should a student transfer to a different school district with different policies. Note: Students do not receive course credit when they turn in the P.E. Exemption Form. They are simply being exempted from the graduation requirement.

**Flexible credit:** Flex credit opportunities will be available as provided by Mohawk Board of Education policy.

## Graduation Requirements and Pathways

### Class of 2022

- ~~1. Complete Mohawk High School academic credit requirements of 21 credits. See previous page for details.~~
- ~~2. Meet one of the original three graduation pathways below that were available when you started high school.~~
  - ~~a) Ohio's State Tests Earn at least 18 points on the seven end-of-course tests and satisfy the subject test totals for math, English, science and social studies.~~
  - ~~b) Industry Credential and Workforce Readiness Earn a 12 point industry recognized credential as defined by the Ohio Department of Education AND earn the required scores on the WorkKeys test.~~
  - ~~c) College and Career Readiness Tests Earn remediation free scores on the mathematics, English and reading subtests of the ACT or the SAT. The ACT will be given to students free of charge in the spring of your junior year.~~

~~Or you can meet the permanent graduation requirement by demonstrating competency and readiness for a job, college, military or a self-sustaining profession. **Students must show Competency and Readiness to satisfy this pathway.**~~

- ~~1. Show Competency~~
  - ~~a. Earn competency scores on Ohio's high school Algebra I and English II tests~~
  - ~~b. **OR** Retake the Algebra I and/or English II test and use one the following three options to show competency:~~
    - ~~• Complete two Career Focused Activities~~
    - ~~• Enlist in the Military~~
    - ~~• Complete College level course work in math and/or English through the CCP program~~
- ~~2. Show Readiness~~
  - ~~a. Earn at least two diploma seals. The seals give you a chance to demonstrate academic, technical and professional skills and knowledge that align with your passions, interests and planned next steps for after high school.~~
  - ~~b. Scores from the biology, American history and American government are used for two different seals~~
  - ~~c. Other seals use information from career technical programs, college readiness tests, enlistment, honors diploma, and foreign language courses~~
  - ~~d. More information is available on the Ohio Department of Education website.~~

### Class of 2023 and Beyond

Your class will need to meet the permanent graduation requirements to earn a diploma by completing the following:

1. Complete Mohawk High School academic credit requirements of 21 credits. See previous page for details.
2. Show Competency
  - a. Earn competency score **of 684** on Ohio's high school Algebra I and English II tests
  - b. **OR** Retake the Algebra I and/or English II test and use one the following three options to show competency:
    - Complete two Career-Focused Activities
    - Enlist in the Military
    - Complete College level course work in math and/or English through the CCP program
3. Show Readiness
  - a. Earn at least two diploma seals. The seals give you a chance to demonstrate academic, technical and professional skills and knowledge that align with your passions, interests and planned next steps for after high school.
  - b. Scores from the biology, American history and American government are used for two different seals
  - c. Other seals use information from career technical programs, college readiness tests, enlistment, honors diploma, and foreign language courses
  - d. More information is available on the Ohio Department of Education website.

## **Career Pathways**

A Career Pathway is a collective look at education and training, wage and outlook information for related occupations. These pathways offer an overview of the various career options along with education and training. Whether a student is interested in going to college, getting a certificate, or working right after high school, career pathways can be customized for any ambition or plan. Career pathways are available on the Ohio Department of Education's website ([www.education.ohio.gov](http://www.education.ohio.gov)) in the following career areas: Agriculture and Environmental Systems, Arts and Communication, Business Administration, Construction Technologies, Education and Training, Engineering and Science Technologies, Finance, Government and Public Administration, Health Science,

Hospitality and Tourism, Human Services, Information Technology, Law and Public Safety, Manufacturing, Marketing, and Transportation Systems. These career pathways were developed around Ohio’s in-demand occupations.

**Parent Involvement Tips on Career Development:**

- Throughout the high school experience, allow your student the opportunity to talk with a few people who do the kind of work in which they are interested.
- Encourage your high school student to work a part-time job outside the home during the summer months. Recommended hours for part-time work during the school year range from 12 to 15 hours per week. Hours beyond this may negatively impact student success in school.
- Encourage your student to engage in service learning activities in the community. These are requested on applications for college and applications for scholarships.
- Remain involved in your student’s plans for course selections, postsecondary education, and career decisions. Convey high expectations for your student. Encourage your student to explore a variety of postsecondary education opportunities.
- Students need to understand the importance of course selections in high school since their choices will impact their performance on college entrance exams, their postsecondary education options and thus, the potential to attain a satisfying occupation in the world of work.

**Class Rank Determination**

Instead of GPA’s, a system of Quality Points has been adopted by the board of education to be used to determine class rank. Quality points have been assigned to all classes (see list below). The grades students receive will be multiplied times the credit value of the course and times the quality points assigned. Top seniors will be determined by the number of quality points they have received. The student with the highest number of quality points ~~after seven (7) semesters~~, including **any and all high school credits earned** by the end of the first semester of the senior year, will receive the Valedictorian honor. The student with the second highest number of quality points ~~after seven (7) semesters~~ will receive the Salutatorian honor.

Students who wish to move up or remain constant in the rankings will need to take more classes and take higher level classes. Students may take a maximum of ten (10) credits or the equivalent per year. Class rank will be determined by grades in the particular classes, and ultimately the highest number of quality points.

**Quality Points**

The following is a list of courses that have been awarded a quality point value greater than 1.

<u>Course</u>	<u>Quality Point Value</u>
Algebra 2/Algebra 2 CP	1.1
Art 4	1.1
<del>Effective Writing</del> <b>Applied Communications</b>	1.1
French 3	1.1
Music – 4 <sup>th</sup> year of participation	1.1
Spanish 3	1.1
Business Management for A & E Systems	1.1
Agriculture Product Marketing & Global Econ.	1.1
College Credit Plus (CCP) Courses	1.2
French 4	1.2
Spanish 4	1.2
Chemistry	1.3
Pre-Calculus	1.3
Anatomy	1.4
Calculus	1.4
Physics	1.5

\* All move-in courses will be matched up with our courses when possible to determine quality point values. All other courses will default to a 1.0 value if no course value is listed.

Students may request a transcript from a school counselor at any time or ~~through parchment.com~~ by clicking on the **Parchment link on Mohawk's webpage.**

## COLLEGE PREPARATORY STUDENTS

Students who are looking at attending college after graduation should take the most rigorous coursework they can at the high school level. For admission, schools look at the following: grade point average, ACT or SAT score, and level of demanding coursework. The qualifications for a college preparatory honors diploma should be used as a guideline. The suggested Mohawk college preparatory course of study includes:

English	4 credits	Science	3 to 4 credits
Mathematics	4 credits	Foreign Lang.	2 to 3 credits
Social Studies	4 credits	Arts	1 to 2 credits

## Educational Options

### College Credit Plus (CCP)

Eligible students can take a College Credit Plus course(s) to earn high school and college credit that appears on both their high school and college transcripts. All courses offered through College Credit Plus—even courses offered in the high school—must be the same course that the college offers. The course(s) must apply to a degree or professional certificate. An informational meeting will be held annually for interested students and parents.

DA - Mohawk students may opt to take an elective course in the Digital Academy (DA) or be assigned a class by the administration due to course failure/difficulty. In addition, a student may be scheduled in the DA due to scheduling conflicts. The administration reserves the right to limit the number of courses a student may take in the DA. There is not a fee for this online course offering when taken during the school year. If summer school is offered, there is a fee for course enrollment. ~~Courses available are listed in Appendix B (subject to change).~~

Seneca County CEO - Entrepreneurship education seeks to prepare people, especially youth, to be responsible, enterprising individuals who become entrepreneurs or entrepreneurial thinkers and contribute to economic development and sustainable communities. The CEO program is much more than a textbook course. Rather, students are immersed in real life learning experiences with the opportunity to take risks, manage the results, and learn from the outcomes. The CEO class meets five days a week for 90 minutes a day and is a year-long, two credit high school course, with an opportunity to earn college credit. The student selection process is a defined process. Students must submit a written request for admission, letters of recommendation and complete an entrepreneurial profile. The class meets in local businesses and changes locations throughout the year. This helps the students from multiple school districts establish a common identity based on their CEO experience and a greater appreciation for our area's professional work environments. Students must provide their own transportation.

## How Colleges Select Students

Before they decide they will admit a student, college admissions directors and their committees consider the following:

1. The student's overall high school academic and attendance record. Did the student take challenging courses?
2. ACT, SAT, or other entrance exam scores.
3. Marked improvement by the student in scholastic achievement from year to year.
4. Indication of the student's special abilities: art, music, or leadership.
5. Volunteer service to the school or community by the student.
6. Extracurricular activities pursued by the student at school or in the community.
7. Accurate and timely completion of the college application, including personal interview, if required.
8. Letters of recommendation written on behalf of the student from school personnel, community organizations, and/or employer.

## Sentinel Career and Technology Center

The Sentinel Career & Technology Center serves the students of Mohawk High School. Students spend 3 hours per day at Sentinel and will receive three credits per year for their career program. The students will attend Mohawk for the remainder of each day, where they will receive their necessary academic instruction. Each home school will provide transportation to and from Sentinel. All Mohawk students will be eligible for any and all extracurricular activities at their home school.

Sentinel students gain first-hand knowledge of real-life careers through paid and volunteer work experience, internships, mentoring, and other career-focused activities. Many programs at Sentinel include embedded CCP courses for college credit with various institutions. Students who plan to apply to these programs should attend the CCP informational meeting held at Mohawk yearly.

Students will graduate and receive a diploma from Mohawk High School. They will also receive a Career and Technical Education Certificate and Career Passport recognizing completion of technical training from Sentinel.

## Sentinel Career and Technology Center Programs

Students must complete an online application that can be obtained online, through the Sentinel Career and Technology Center website. Students must meet program pre-requisites. The application deadline is ~~mid-March~~ **posted online**. When a student applies to a Sentinel Career & Technology Center program, he/she and his/her parents/guardians are making a commitment to obtain technical skills needed for entry-level employment by business and industry or to further their education at a post-secondary institution. Students who are accepted into the programs make a commitment to attend that program. Descriptions of each program can be found in the back of this booklet.

### All are two year programs except where noted:

Automotive Technology\*

Building Construction Trades\*

~~Business & Marketing~~ – **Seniors Only**

Career Exploration – **1 year program recommended for sophomores**

Careers in Education\*

Collision Repair Technology\*

Cosmetology\* - **3 year program**

Culinary Arts & Hospitality Management\*

Digital Technologies\*

Electrical Trades\*

Engineering Technologies & Robotics\*

Health Careers Academy\*

Independent Living

Nail & Esthetics – **One year program for Juniors or Seniors**

Precision Machining\*

Public Safety\*

STNA\* (State Tested Nurse Aid) Health Career Academy – **Seniors Only**

Welding and Fabrication Technology\*

\*May also be enrolled in college-level CCP courses with area institutions in which Sentinel partners with.

## Diploma with Honors Criteria

A student who chooses to complete the high school Academic Honors Diploma, the Career-Technical Honors Diploma, the STEM Honors Diploma, the Arts Honors Diploma, or the Social Science & Civic Engagement Honors Diploma curriculum must meet all but one of the criteria in the following appropriate column. The student must meet the requirements for the regular diploma plus criteria for honors diploma.

	<b>Academic</b>	<b>Career-Tech</b>	<b>STEM</b>	<b>Art</b>	<b>Social Science/Civic Engagement</b>
<b>Math</b>	4 units, including Algebra I, Geometry, Algebra II (or equivalent) and one higher level math course	4 units, including Algebra I, Geometry, Algebra II (or equivalent) and one higher level math course	5 units, including Algebra I, Geometry, Algebra II (or equivalent) and one higher level math course	4 units, including Algebra I, Geometry, Algebra II (or equivalent) and one higher level math course	4 units, including Algebra I, Geometry, Algebra II (or equivalent) and one higher level math course
<b>Science</b>	4 units, including two units of advanced science	4 units, including two units of advanced science	5 units, including two units of advanced science	3 units, including one unit of advanced science	3 units, including one unit of advanced science
<b>Social Studies</b>	4 units	4 units	3 units	3 units	5 units
<b>World Language</b>	3 units of one world language or 2 units of two world languages	2 units of one world language studied	3 units of one world language or 2 units of two world languages	3 units of one world language or 2 units of two world languages	3 units of one world language or 2 units of two world languages
<b>Fine Arts</b>	1 unit	N/A	1 unit	4 units	1 unit
<b>Electives</b>	N/A	4 units of Career-Technical minimum.	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social sciences and/or civics
<b>GPA</b>	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
<b>ACT/SAT WorkKeys</b>	27 ACT / 1280 SAT	27 ACT/1280 SAT/WorkKeys (6 Reading for Info & 6 Applied Math)	27 ACT / 1280 SAT	27 ACT / 1280 SAT	27 ACT / 1280 SAT
<b>Field Experience</b>	N/A	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus	Complete a field experience and document the experience in a portfolio specific to the student's area of focus
<b>Portfolio</b>	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts.
<b>Additional Assessment</b>	N/A	Earn an industry-recognized credential or achieve proficiency benchmark			

**See Appendix A for additional information regarding the Field Experience and Portfolio requirement.**

## NCAA Freshman Eligibility Standards Information

If you want to play sports at a Division I or II school, register with the NCAA Eligibility Center at [www.eligibilitycenter.org](http://www.eligibilitycenter.org). Keep in mind that no courses taken before your freshman year of high school will be used to determine eligibility. Also, the NCAA is very particular on what college courses will count. Make contact with your college or university and understand the rules to help with your planning.

### Grade 9- Plan

- Start planning now: take the right courses and work hard to earn the best grades possible.
- Find your high school's list of NCAA-approved courses at [eligibilitycenter.org](http://eligibilitycenter.org).
- Read the Guide for College Bound Athletes, which is located on the NCAA Eligibility website each year to stay current on changes.

### Grade 10- Register

- Register with the NCAA Eligibility Center at [eligibilitycenter.org](http://eligibilitycenter.org).
- If you fall behind on courses, do not take short cuts to catch up. Ask your counselor for help with finding approved courses or programs that you can take.
- Read the Guide for College Bound Athletes, which is located on the NCAA Eligibility website each year to stay current on changes.

### Grade 11- Study

- Check with your counselor to make sure you will graduate on time with the required number of NCAA-approved courses.
- Take the ACT or SAT and submit your scores to the NCAA using code 9999.
- At the end of the year, ask your counselor to send or upload your official transcript to the NCAA Eligibility Center. If you took classes at more than one high school or program, you will need to submit an official transcript for each school.
- Read the Guide for College Bound Athletes, which is located on the NCAA Eligibility website each year to stay current on changes.

### Grade 12- Graduate

- Complete your final NCAA courses as you prepare for graduation.
- Take the ACT or SAT again, if necessary, and submit your scores to the NCAA using code 9999.
- Complete all academic and amateurism questions in your NCAA Eligibility Center account.
- After you graduate, ask your counselor to send or upload your final official transcript with proof of graduation to the NCAA Eligibility Center.
- If you took CCP courses, send College/University transcripts to NCAA. They will not count the courses unless they get a transcript directly from the institution.
- Read the Guide for College Bound Athletes, which is located on the NCAA Eligibility website each year to stay current on changes.

## **High School Clubs & Activities Be Involved!**

**Art Club:** Art club is for high school students who have taken, or are currently taking a high school art class. Members meet several times a month to plan and complete group art projects, work on independent projects, or work on current art projects from class. Club activities are designed and planned by club members.

**Class Officers/Reps:** Students work with their advisor as leaders of their class. Students are responsible for running class meetings, organizing fundraisers, representing the class at student council meetings, leading any committees as needed, and being positive leaders for their graduating class. Offices include: President, Vice-President, Secretary, and Treasurer, as well as 2-3 student council representatives. Class officers and reps are elected by their classmates each year of high school. Senior class officers are responsible for class activities after graduation.

**Economics Club:** The Mohawk Economics Club has as its objective to support and sustain economics and personal finance education at Mohawk High School by providing stipends for students in need to attend economics and personal finance summer camps; partially or fully funding course-related field trips; sponsoring departmental awards and tokens of esprit in economics and personal finance education; assisting economics and personal finance students to finance philanthropic projects in support of community-based not-for-profit organizations; purchasing materials for field experiments in applied economics; and from time to time assisting other Mohawk school organizations with grants of aid.

Membership in the Mohawk Economics Club is automatic for students enrolled in Economics for the 21<sup>st</sup> Century, and other students are welcome to join. No dues are required for membership.

**FFA:** FFA is a dynamic youth organization that changes lives and prepares members for premier leadership, personal growth and career success through agricultural education. FFA develops members' potential and helps them discover their talent through hands-on experiences, which give members the tools to achieve real-world success. Opportunities include trips to state and national conventions, leadership nights, FFA Camp Muskingum, and participating in multiple competitions such as: ag mechanics, wildlife, livestock judging, ag sales, food science, veterinary science, and many others.

FFA is an intracurricular student organization which means you must be enrolled in an Agriculture Education class to become a member of the Mohawk FFA. Members are future chemists, veterinarians, farmers, government officials, nurses, entrepreneurs, metal fabricators, bankers, international business leaders, teachers, and premier professionals in many career fields.

**French Club:** Students who join French Club will get to go to Chez François, a 5-Star French restaurant on the lake each spring. They will also be in charge of hosting the yearly Olympics. Any French Club member and his/her family is invited to travel to France (and other European countries) every other year with Ms. Wheeler. Those in French Club will also have the opportunity to be inducted into the French National Honor Society.

**Intervention Tutors:** Help peers or younger students with schoolwork during the school day.

**Majorettes/Flag Corp:** Majorettes twirl batons and perform routines when the Marching Band performs. Students are required to attend the Marching Band camp that usually starts the first week of August (or the week after the Seneca County Fair) and lasts for two weeks.

**Marching Band:** The Marching Band is a High School Level Ensemble that participates at the Varsity football games, local parades, Memorial Day activities and other community events. Students participating in the Marching Band must attend a two week band camp that usually starts the first week of August (or the week after the Seneca County Fair) and lasts for two weeks. The purpose of this organization is to provide community performance opportunities and to provide an opportunity for students to play a wide variety of popular music. Students also learn how to march accurately and to perform formations and memorize music for our given halftime shows. Students will also gain great skills in the areas of leadership and teamwork as part of this fantastic ensemble.

**Mohawk Academic Team:** Members will compete in a local league and tournaments. If successful, state and national tournaments may be attended. Mohawk qualified for the National Tournament in Chicago three times. Practice attendance is required. If you like Jeopardy and trivia, come join us.

**Mohawk National Honor Society:** Mohawk National Honor Society is an invitation-only organization. Membership in the National Honor Society is one of the highest honors awarded to a high school student. The selection process starts with juniors and seniors who have obtained a cumulative GPA of 3.500 or higher. They are then asked to complete a resume and essay. Additionally, a list of volunteer community service activities with a minimum of 20 hours completed the summer before the freshman year to present should be included in the packet. The National Honor Society works hard to bring the accomplishments of outstanding students to the attention of parents, teachers, and the community. The Mohawk Chapter strives to give practical meaning to the Society's goals of **Scholarship, Leadership, Service and Character**. These four ideals are the basis for selection.

**Pep Band:** The Pep Band is a Junior High and High School Level Ensemble that participates at the Girls' and Boys' Varsity Basketball games. Students in this ensemble will perform in the stands during the quarters and at halftime of the Varsity basketball games. The purpose of this organization is to provide community performance opportunities and to provide an opportunity for students to play a wide variety of popular music. Younger students also typically have the opportunity to learn music at a more advanced level. In participating in this ensemble, students will also gain great skills in the areas of performance, leadership and team work as part of this fantastic ensemble.

**Publications (Yearbook):** Students who have an interest in working on the yearbook take Publications during their junior and senior year. Description is listed under English on pg. 16

**Spanish Club:** Spanish Club focuses on exploring Spanish culture and sharing our learned information with the community. Past activities and events have included the Day of the Dead fair, a Cinco de Mayo Potluck, enjoying Spanish movies, and more.

**Student Council:** The purpose of the Mohawk High School Student Council is to: Provide knowledge and experience in student government; promote student leadership and problem-solving; encourage effective communication throughout the school; foster pride and esprit within the school; provide a forum for student expression; promote wholesome school student activities; and address the general needs of the student body of Mohawk High School.

The student council is empowered to provide a forum for discussion, debate, and development of recommendations about student concerns; to inform the principle of student body needs and concerns; to assist the principal to communicate policy to the student body; to assist in the coordination of the efforts of all the school's student organizations; and to promote student activities that benefit the school and in the community. All activities of the Student Council shall be subject to approval by its advisors and ultimately by the principal and shall conform to applicable Board of Education policy.

Membership in the Student Council is open to any student of Mohawk High School who is determined by the Executive Leadership Team to be eligible according to the Student Council Constitution, By Laws, Mohawk High School regulations, and Board of Education policy. Membership is based on character, commitment to service, and demonstrated academic success.

**Warrior Rhapsody Show Choir:** Mohawk High School's Show Choir is a extra-curricular ensemble that meets Sundays from 7pm-9pm, Thursdays from 8pm-9:00pm, and additional rehearsals when necessary. Members have been selected through an audition process consisting of a vocal and dancing audition for students going into their high school years, in the spring of the previous school year. Members of Warrior Rhapsody must be enrolled in High School Choir unless there is a conflicting scheduling conflict (their eligibility will be a case by case basis).

### **Fall Sports**

**Golf**  
**Cross Country**  
**Varsity Football**  
**JV Football**  
**Freshman Football**  
**Varsity Volleyball**  
**JV Volleyball**  
**Freshman Volleyball**  
**Cheerleading**

### **Winter Sports**

**Wrestling**  
**Varsity Basketball**  
**JV Basketball**  
**Freshmen Basketball**  
**Cheerleading**  
**Dance Team**

### **Spring Sports**

**Track & Field**  
**Varsity Baseball**  
**JV Baseball**  
**Varsity Softball**  
**JV Softball**

## **2022-2023 Course Selection**

**Note: Elective courses will be offered based on scheduling availability and student requests.**

### **Agriculture Education**

Students enrolled in specific agriculture education courses and passing the end of course exams will have the opportunity to achieve a 12-point Industry Credential through the Ohio Agribusiness Association. This credential can be used when students are applying for Ohio jobs or internships in the agriculture sector. Achievement of this credential will earn the student an Industry Credential graduation seal and can be used to fulfill one of the requirements of the Career Tech Honors Diploma.

#### **Animal and Plant Science** (Freshman or first year students)

1 Credit

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined. By enrolling in this course, you are making a commitment to also be an active member of FFA.

This class is a part of the courses needed for students to achieve the 12-point Ohio Agribusiness Industry Credential.

#### **Livestock and Equine Management & Selection** (Sophomore and Junior students)

1 Credit

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Students will employ technological advances, communication, business, and management strategies appropriate for the industry. By enrolling in this course, you are making a commitment to also be an active member of FFA.

This class is a part of the courses needed for students to achieve the 12-point Ohio Agribusiness Industry Credential.

Prerequisite: Animal and Plant Science

\*Offered alternate years with Agronomic Systems: 2022-2023, 2024-2025

#### **Agronomic Systems** (Sophomore and Junior students)

1 Credit

Students will apply knowledge and skills required to research, develop, produce and market major agricultural and horticultural crops. Cultural and sustainable production practices will be examined while students apply scientific knowledge of plant development, nutrition and growth regulation. The knowledge and skills needed to manage water, soils, and pests related to agronomic crops will be assessed. Students will employ technological advances, communication, business, and management strategies appropriate for the industry. By enrolling in this course, you are making a commitment to also be an active member of FFA.

This class is a part of the courses needed for students to achieve the 12-point Ohio Agribusiness Industry Credential.

Prerequisite: Animal and Plant Science

\*Offered alternate years with Livestock & Equine Management and Selection: 2023-2024

#### **Business Management for Agricultural and Environmental Systems** (Junior and Senior students)

1 Credit

Students will examine elements of business, identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified. By enrolling in this course, you are making a commitment to also be an active member of FFA.

This class is a part of the courses needed for students to achieve the 12-point Ohio Agribusiness Industry Credential.

\*Business Management for Agricultural and Environmental Systems students will have the option to become a member of the Mohawk FFA but it is understood those students must then fulfill Mohawk FFA membership requirements if they choose to do so.

\*Offered alternate years with Agriculture Product Marketing and Global Economics: 2022-2023, 2024-2025

**Agriculture Product Marketing and Global Economics** (Junior and Senior students)

1 Credit

Students will examine economic principles with an emphasis on their application to agriculture, food, and natural resource markets. Students will also practice the operation and use of commodity future contracts and option markets as part of a hedging strategy to market agriculture and food products domestically and internationally. Students will identify types of business ownership in the agriculture industry and demonstrate sales techniques to market products to target markets.

This class is a part of the courses needed for students to achieve the 12-point Ohio Agribusiness Industry Credential.

\*Offered alternate years with Business Management for Agricultural and Environmental Systems: ~~2021-2022~~, 2023-2024, 2025-2026

\*Ag and Food Product Marketing and Global Economics students will have the option to become a member of the Mohawk FFA but it is understood those students must then fulfill Mohawk FFA membership requirements if they choose to do so.

~~**Ag Structures** (Junior and Senior Students)~~

~~1 credit~~

~~Students will engage in the elective Ag Structures course to develop skills in design, sequential project planning, electrical theory, wiring, block and concrete, and water distribution systems. Students will also apply construction knowledge related to construction materials, floor, wall, roof framing, and interior and exterior finishing. Following safety rules and operating procedures will be a vital component of this course. Throughout the course, students will learn critical components of workplace and personal safety as well as communication and leadership skills. Students will also be required to plan and create independent projects not included in learning labs. Students may incur costs related to their individual projects.~~

~~\*Ag Structures students will have the option to become a member of the Mohawk FFA but it is understood those students must then fulfill Mohawk FFA membership requirements if they choose to do so.~~

**Construction and Mechanical Principles Elective** (Sophomore-Senior Students)

1 credit

Students will engage in the elective Construction and Mechanical Principles course to develop skills in design, electrical theory, wiring, hydraulic and pneumatic theory, small air-cooled engine repair and maintenance, along with metallurgy in relation to hot and cold metals. Students will also apply knowledge in building construction relating to lumber, concrete and masonry, plumbing systems and interior and exterior finishing. Throughout the course, students will learn critical components of workplace and personal safety as well as communication and leadership skills.

\*Construction and Mechanical Principles students will have the option to become a member of the Mohawk FFA but it is understood those students must then fulfill Mohawk FFA and SAE requirements.

This class is a part of the courses needed for students to achieve the 12-point Ohio Agribusiness Industry Credential.

**\*\*All Ag students will be tested using the WebXam System for an end of course assessment.**

Notes:

**Supervised Agricultural Experience:**

Each agricultural education class (not including 8<sup>th</sup> grade AFNR) requires a Supervised Agricultural Experience. This project is to be conducted outside the classroom and must be completed by December 31<sup>st</sup> of the following year. The purpose of this project is to 1) provide practical skills and competency application and development, 2) aid the student in earning an income, and 3) to further his or her progress toward a career. This experience may vary from livestock or crop acreage ownership, to being employed at an agribusiness, to owning a small business, to a research project, or a combination of experiences. Each student is required to maintain business records for their experiences.

## **FFA Organization:**

Involvement in the Local, State, and National FFA Organization is a tool to assist in the development of leadership, cooperation and citizenship. Through active participation, there are many opportunities to travel, take tours, attend camps, participate in judging and skill competitions, apply for awards, improve communication skills, make new friends and more.

The FFA is an integral part of the agriculture program and is inter-curricular. Therefore, **everyone taking Animal and Plant Science, Agronomic Systems, and Livestock and Equine Management & Selection is required to become an FFA Member and will have fees for national and state dues, as well as for activities chosen by the student to participate in.**

## **Business**

### **Technology Applications I** Grade 9

.5 Credit

This course covers topics in computer applications: word processing, presentations, and spreadsheets. This course is a required introductory course that must be taken before graduation, generally during the Freshman year.

### **Video Production** Grades 11-12

1 Credit

This course focuses on the systematic design and development of effective, efficient, and appealing educational video and distance learning resources. Students plan and design informational and instructional, directing, camera techniques, in-camera editing, tilting, visual effects, and other video techniques for the development of quality video productions. Students explore alternative video-based distance learning platforms. Finally, students design, develop, implement, and evaluate instructional units that involve learners in developing projects that incorporate video into the teaching/learning environment.

Prerequisite: Successful completion of Technology Applications

## **College Credit Plus (CCP)**

Students who meet college requirements may choose to enroll in college level courses to receive both high school and college credit. There will be an informational meeting held each year. Attendance at the informational meeting is required to participate in the program

## **Digital Academy Elective Courses**

~~See Appendix B for the current list of PEAK course offerings (Subject to change). Course descriptions can be found online at <https://www.fueleducation.com/curriculum/find-a-course.html>.~~ **Online credit recovery and/or elective classes will be available for students.**

## **English**

### **English 9**

1 credit

The purpose of this course is to expose the students to an extensive study of the English curriculum. English 9 is intended to touch on the elements of writing, reading and speaking skills to prepare students for future challenges. The course includes many topics of literature, composition, grammar and oral communication. Specifically, the elements of a short story, a novel, a play and poetry are studied while emphasizing vocabulary development. Composition skills focus on spelling, sentence structure and paragraph organization. A focused research paper is a requirement of the course. Finally, oral presentations stemming from the class topics are conducted throughout the year to build self-confidence and strengthen communication skills.

## English 10

1 credit

English 10 is a survey course featuring various forms of literature. It includes short stories, informational texts, poetry, dramas, and novels. The focus is on mastering vocabulary skills, grammar, and literature elements to prepare for ELA II AIR Test success. Evidence based writing skills are practiced using various forms of essays, journals, and response questions. Presentations and public speaking skills are used in various presentations and projects required for the class.

## English 11

1 credit

English 11 is an American literature survey class. The journey through the literary periods allows the student to develop an appreciation of the uniquely American contributions in prose and poetry. The class explores American literature through short stories, poetry, journalism, and novels, emphasizing the historical periods that affected the writers. Emphasis is placed on analytical writing, vocabulary development, ACT/SAT preparation, and higher level understanding of the literary concepts. Class requirements include presentations, projects, and essays. Research skills including MLA citation are explored. Successful completion will result in the background needed to be an educated person of American Literature.

## English 12

1 credit

This course shall be comprehensive in nature, although World literature will be the core of the course. Writing, formal and informal, shall be integrated throughout the entire year. Grammar shall be given ample coverage as well as vocabulary. An acceptable research paper is a requirement for the course.

## Applied Communications (~~Effective Writing~~) Grades 10-12

1 credit

This course develops composition skills through essay writing and research. Students will explore writing for a variety of audiences and purposes. Students will study the elements necessary to write clearly and concisely, as well as the grammatical structures necessary for effective writing.

In addition to written work, students will practice a variety of communication media. Students will analyze types of arguments by a speaker, such as causation, analogy, and logic. Students are expected to deliver informational presentations, formal and informal descriptive speeches, and persuasive arguments.

## Literary Studies Course (Grades 11-12)

1 credit

This course is an introduction to literary studies and the skills needed to read, understand, and analyze literature. Using a selection of material from different periods and genres, students will develop a sense of how literary texts work, how they relate to each other, how to develop critical analysis skills, and how to assess critical interpretations and contexts.

The course offers an introduction to the discipline of literary studies. As a gateway course, students will develop the key skills needed to read, write, and discuss literary texts. The course will also provide a grounding in the elements of literary terms, close-reading analysis, and different literary and critical approaches. Students will develop their own interpretations and theories about selected texts. They will also learn about how others read and evaluate literature, how to engage literary discourse, and how to understand literature in a range of contexts. The course will cover a variety of types of literature including the short story, drama, novel, memoir, poem, creative essay, and informational texts.

Prerequisite: Successful completion of English 9 and English 10

## Publications Grades 11-12

1 credit

The purpose of the class is to learn and determine what material is newsworthy and how to report it in an educated, yet unbiased manner. Students will learn different types of news stories including: hard news, opinion, columns and feature stories and the techniques to write them correctly. The application of these skills will result in the production of the school newspaper, *The Smoke Signal*.

This course is also designed to offer basic skills to develop a published account of the year's activities, awards, individual identification and accomplishments for future reference. The application will include photography skills, layout design, copy writing and theme development.

Students are required to have an A/B average and the recommendation of an English teacher along with the evidence of responsibility and awareness of deadlines.

Prerequisite: Recommendation of English teacher

## Fine Arts

### Art I Grades 9-12

1 credit

The elements of design (positive and negative space, value, shape, color, and texture) and technical skill are the focal points of Art I, and will build on skills from elementary. Projects include, but are not limited to: perspective, color theory, pastels, clay, pencil drawing, figure drawing proportions, India ink, block printing, oil pastel, and other medium for the more advanced demands of Art II. Students will also keep a sketchbook that will have weekly drawing assignments. The sketchbook will also be used for drawing project ideas, rough drafts and notes.

### Art II Grades 10-12

1 credit

Students will have the opportunity to develop more sophisticated artworks than in Art I. Projects will include, but are not limited to: techniques in watercolor, drawing, oil pastel, pastel, colored pencil, paper mache, block printing, ceramics, wheel throwing, and collage. These students will also keep a sketchbook that will have weekly drawing assignments. The sketchbook will also be used for drawing projects ideas, brainstorming rough drafts, and notes.

Prerequisite: Completion of Art 1 with a C average or better and teacher approval

### Art III Grades 11-12

1 credit

Students will complete more complex projects than in Art II. In the first semester, students will complete projects that include, but are not limited to: block printing, silkscreen, clay sculpture, wheel throwing, pencil drawing, and painting. During the second semester, students will complete an independent study, proposing project ideas that they will study in depth and use to build their artist portfolio.

Prerequisite: Completion of Art 2 with a C average or better and teacher approval

### Art IV Grade 12

1 credit

Students will complete more complex projects than in Art III. In the first semester, students will complete projects that include, but are not limited to: block printing, silkscreen, clay sculpture, wheel throwing, pencil drawing, and painting. During the second semester, students will complete an independent study, proposing project ideas that they will study in depth and use to build their artist portfolio. These students will create an artist portfolio at the end of the year to use for a senior art show.

Prerequisite: Completion of Art 3 with a C average or better and teacher approval

### Band Grades 9-12

1 credit

Content: High school band is a continuation of junior high band and involves the study of progressively more challenging music. The first quarter of the school year as well as summer practice are entirely marching band related curriculum. The band's primary duties are to prepare music and marching routines for halftime shows and for pep music in the stands for varsity football games, various parades, and the marching band concert in early November. During the summer, practice may take place and a band camp will be held before school starts. A schedule, along with band camp requirements, will be given to band members in the spring. Rehearsals will then continue upon the return from camp and will go up to the start of school for the fall semester. Students who are selected as leadership members, or are in sections such as percussion, majorette, or flag corps, will meet for extra rehearsals to be selected by their individual instructors. No credit will be given to majorettes or flag corps unless students take band for the whole year.

The concert band begins at the inception of the 2<sup>nd</sup> quarter and continues for the remainder of the school year. Three more concerts are performed at the school, in December, March, and May, as well as Commencement. Other activities include OMEA concert band festival in March, OMEA solo and ensemble festival in February, and other events determined year to year.

Choir Grades 9-12 (Both Semesters are Mandatory)

1 credit

The High School Choir is an ensemble reserved for students in grades 9-12 with exceptional vocal abilities, musicianship, and attitude. The focus of this ensemble is to help students grow musically while learning basic life-skills needed to be successful in all aspects of their life. Our goal in the Choral Department is to encourage all students to become lifelong musicians. This could be choosing music as a potential profession, participating in a collegiate choral, or participating in a local choral. Throughout the school year, the High School Choir will perform a wide variety of repertoire ranging from classical and sacred to pop and show tunes. In addition to performing, students will have yearly opportunities to travel to see collegiate or professional music theatre and choral performances. There are biennial Choir and Band Trips with the destination being announced the Spring before each trip year. Recent trip locations include; Nashville, TN and New Orleans, LA.

There are many mandatory performances throughout the school year; with three of them being on a Sunday afternoon/evening. At the beginning of the school year, every choir member is given a concert schedule that lists all mandatory and optional performances.

Students have the opportunity to perform individually in Dinner and a Show, Mohawk's Craft Show, OMEA Solo & Ensemble, OMEA District Honors Choir, OMEA State Choir, All Ohio State Fair Youth Choir, and potential other ensembles.

Contemporary Music Grades 9-12

1 credit

Contemporary Music is a course in which students study the history and development of music genres in our current age. This class will primarily explore the history of the genre of Rock and Roll, but will also lightly cover the genres of Country and Rap. Students will explore these topics through artist biographies, genre and sub-genre research, and various projects throughout the course.

**Foreign Language**

Spanish I Grades 9-12

1 credit

The purpose of this course is to give the beginning student a fundamental introduction to Spanish. Emphasis is placed in the beginning on the conjugation of regular verbs to help in the speaking comprehension. Telling time, learning to listen in Spanish, Mexican studies, irregular verb formation and some vocabulary are a few of the areas covered in the course of the year.

The course will possibly involve the student in extra activities and situations centering on the language and culture of Spanish-speaking people. The student will be expected to keep an organized notebook and folder.

Prerequisite: C average or better in the previous Reading and/or Language Arts Class.

Spanish II Grades 10-12

1 credit

This course is a continuation of the beginning course with greater emphasis placed on listening and speaking. The student will gain a better understanding of the native Spanish speaker.

Material from Spanish I will be reviewed to reinforce prior information. The student will be doing selected short readings to complement the study of the grammar and the culture. For successful progression through the course, the student will need to spend time outside of class reviewing the materials covered and doing research in the cultural aspects studied. The student will be expected to keep a notebook and a folder. The student will learn a variety of new tenses and will be exposed to the irregulars of those tenses. Parts of speech will be extensively studied. This course is aimed at mastery of basics, to ensure that college level entry Spanish requirements are met.

Prerequisite: Completion of Spanish I with a C average or better.

Spanish III Grades 11-12

1 credit

This course will involve a review of grammar with a more advanced study of grammatical material, vocabulary and many tenses needed to strengthen the student's overall comprehension of the Spanish speaker. Composition and conversation will be stressed more in the course. The student will be regularly exposed to spoken Spanish aimed at improving his or her proficiency. Students will study Spanish of the Spanish speaking countries and culture. Hispanic artists will also be extensively studied. The student will be involved from time to time in different projects and situations centering on specific Hispanic culture. The student will be expected to apply the language in a conversational manner as much as possible. Gradually, tests will be given in Spanish with essay responses from the students also written in Spanish.

Prerequisite: Completion of Spanish II with a C average or better.

Adv. Spanish – Grade 12

1 credit

This is an advanced language course, which will focus on using Spanish for authentic conversation and composition. There will be several projects that will immerse the student in Spanish-speaking situations. There will be projects that involve reading and writing. The student will be expected to participate in activities outside of the classroom and keep an organized notebook. There will be discussions of the culture and current events of the Spanish-speaking countries. The purpose of this course is to build on the skills learned in the previous years of Spanish study while preparing the college-bound student for our diverse world.

Prerequisite: C or better in Spanish III, or passing equivalency assessment as provided by the Spanish teacher.

French I Grades 9-12

1 credit

In French I, the entry-level course of French language study, a basic knowledge and understanding of the different cultures and speakers of French is emphasized. In-class activities focus on skill acquisition in all aspects of the French language - speaking, listening, reading and writing - with special stress on "real" communication. Some examples of in-class activities are oral/written drills, question and answer, dialogues/conversations, games and projects. On special occasions, there will be a food day or video day. It is also recommended that students have a dictionary, with a minimum 80,000 entries.

A grade of "C" or better in English is required, but a "B" or better is recommended.

French II Grades 10-12

1 credit

French II is a continuation of French language study. The language skills and knowledge acquired during the first year is reviewed, expanded and applied to new situations. New knowledge about the language and Francophone culture is gained through further study. The emphasis is on "real" communication in practical situations. The amount of French written and spoken in the classroom is increased as students improve their language skills.

Prerequisite: "C" average or better in French I

French III Grades 11-12

1 credit

French III is a continuation of French language study. The major concepts and skills learned in French II are reviewed, expanded and applied practically to new situations. French III introduces higher-level concepts in grammar, syntax and pronunciation. In-class activities focus on conversation, reading of authentic materials and compositions in French. There is a constant effort to use French in class as much as possible. The students will learn about the art, history, architecture, foods and culture of the French people and will complete projects based on these topics. French III students are required to have a dictionary for in-class use.

Prerequisite: "C" average or better in French II

French IV Grade 12

1 credit

French IV is a continuation of French III with the focus remaining on higher-level grammar concepts with the major portion of the class being devoted to reading and writing in French, as well as conversations and dialogues in the target language. French IV students are required to have a dictionary.

Prerequisite: "C" average or better in French III.

**Industrial Technology**

Construction and Mechanical Principles (see Agriculture section for description) Grades 10-12

1 credit

Foundations of Industrial Engineering (Industrial Arts I) Grades 9-10

1 credit

In Foundations of Industry and Engineering students will be prepared for a specific career focus by empowering them to be proactive in: 1) realizing industrial processes; 2) developing concrete technical and academic competencies generic to a career path; 3) raising personal standards of practical reasoning and critical thinking; 4) increasing awareness of real world career environments. All students will work toward habits of critical thinking while working on real products and projects and experiencing, first hand, real-world work environments. The program will facilitate development of a student vision to multiple career pathways and offer them a concrete base of experience to make decisions regarding future personal career paths. This course may only be taken once.

## Math

### Algebra 1 Grade 9

1 credit

Algebra 1 consists of the study of properties and relations of numbers and of symbols. The course includes number systems, exponents, polynomials, the Cartesian coordinate system, inequalities, linear, quadratic and exponential equations. Students will deepen their understanding by comparing and contrasting different relations and analyzing data within problem situations.

### Applied Algebra 1-Support Lab Grade 10

1 credit

Algebra 1 consists of the study of properties and relations of numbers and of symbols. The course includes number systems, exponents, polynomials, the Cartesian coordinate system, inequalities, linear, quadratic and exponential equations. Students will deepen their understanding by comparing and contrasting different relations and analyzing data within problem situations. This course is for students who did not earn the competency score on the Algebra 1 state test. It will provide remediation and intervention for students in preparation of the test re-take. Students will receive an elective credit toward graduation, not a math credit.

### Geometry Grade 10

1 credit

The course is a study of plane geometry and some trigonometry. Course examines the concepts of congruence, similarity and measurement of two and three-dimensional objects

A TI-83/TI-84 calculator is required for this course.

Prerequisite: Algebra 1

### Algebra 2A Grades 10-11

1 credit

~~This course is designed to cover objectives in Algebra 2 at a much slower pace. Algebra 2A will cover half to three quarters of the typical Algebra 2 course of study. Students will be required to take Algebra 2B the following year to complete their Algebra 2 requirement. A graphing calculator is mandatory. A TI 83 Plus or TI 84 Plus is preferred.~~

~~Prerequisite: Algebra and Geometry~~

### Algebra 2B Grades 11-12

1 credit

~~This course is designed to cover objectives in Algebra 2 at a much slower pace. This course will start with a review of the major concepts taught in Algebra 2A. Students will then continue into the second half of the typical Algebra 2 course of study. At the end of the course students will have met all requirements for Algebra 2. A graphing calculator is mandatory. A TI 83 Plus or TI 84 Plus is preferred.~~

~~Prerequisite: Algebra 2~~

### Algebra 2 Grades 10-11

1 credit

Review of algebraic concepts at a slower, less intensive pace. This course will include the complex number system, linear functions, quadratic equations/functions, exponential equations/functions, logarithmic equations/functions, and inverse of functions. Statistics will be a heavier focus towards the end of the year, rather than trigonometric functions. A graphing calculator is mandatory for this class. A TI-83 Plus or TI-84 Plus is preferred.

Prerequisite: Completion of Algebra 1 and Geometry requirements.

### Algebra 2 CP Grades 10-11

1 credit

Review of algebraic concepts at a more advanced college paced level. Concepts included and covered in this course will be the complex number system, linear functions, quadratic equations/functions, exponential equations/functions, logarithmic equations/functions, trigonometric functions/concepts, and inverse of functions. A graphing calculator is mandatory for this class. A TI-83 Plus or TI-84 Plus is preferred.

Prerequisite: A "C" average or better in Algebra 1 and Geometry

Applied Math 4 Grade 12 1 credit  
This course will cover a broad overview of algebraic, geometric, and statistical mathematical applications. Applied Mathematics involves multiple project based assignments and is designed for students who are career and/or military bound.

Transition Math Grade 12 1 credit

~~This math course will cover a broad overview of algebraic, geometric and statistical mathematical applications. Transition Math is a project based math course designed for students who are career and/or military bound after high school.~~

Pre-Calculus Grades 11-12 1 credit

Trigonometric graphs, equations, and identities are included with functions, graphs, equations and inverses. This course is recommended for students who plan to pursue a math or science career.

A graphing calculator is mandatory - TI-83 or TI-83 Plus is preferred.  
Prerequisite: A "C" average in Algebra 2

Calculus Grade 12 1 credit

Calculus is a college level Calculus 1 course. It is designed for students that can demonstrate a complete understanding of previous math courses. Included topics are limits, functions, derivatives, integrals and trigonometry. Students must be able to establish connections and be able to explain their relationships in an algebraic, geometric, graphical, verbal and/or numerical approach. Students will be able to perform mathematical computations with and without the aid of a calculator.

Pre-Requisite: A or B final average in Pre-Calculus or teacher consent. A TI-84 or equivalent is required for this course.

### Miscellaneous

ACT Prep .5 credit

This is a semester course designed to help juniors and seniors prepare for and increase their ACT score. Well-prepared students are more likely to score higher on the ACT, which may increase their chances of receiving scholarships and enable them to have more options when selecting a college. Students will learn test-taking strategies, review English, Reading, Math, and Science content, take practice tests, and discover ways to reduce test anxiety. The course will be a combination of computer practice and paper tests. This course will be a pass/fail class; therefore, the course will not be included in GPA or class rank. Students will earn .5 credit, but they will not earn quality points for taking this class. The course requires regular attendance and participation to be successful. Taking the December ACT Test is highly recommended for the best result of this review.

### Physical Education & Health

Health .5 credit

This course meets one period per day for one semester. The health curriculum includes: mental health and personality development, human growth and development, substance abuse, health functions for the body systems, physical fitness, personal safety and first-aid. Emphasis on health problems that particularly relate to teenagers will be studied in detail.

Elective Physical Education .25 credit

~~This course meets one period per day for one semester. Students must dress in appropriate clothing and participate willingly in all the activities. Grades will be determined by dress and participation.~~

~~Tentative Curriculum:~~

<del>Physical Fitness</del>	<del>Volleyball</del>	<del>Soccer</del>	<del>Basketball</del>
<del>Softball</del>	<del>Weight Lifting</del>	<del>Track and Field</del>	<del>Aerobics</del>
<del>Badminton</del>	<del>Table Tennis</del>	<del>Floor Hockey</del>	

~~Each unit will consist of: Introduction of rules and safety measures, skill development through drills and lead-up games, skill testing and written tests where appropriate.~~

## Science

### Physical Science Grade 9

1 credit

This course introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspective and mathematical reasoning.

### Biology Grades 10

1 credit

This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Topics include Heredity, Evolution, Diversity and Interdependence of Life and Cell Structure, Function and Processes.

### Environmental Science (Ecology) – Grades 11-12 (10<sup>th</sup> grade with instructor's permission)

1 credit

Investigations are used to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Topics include: Principles of Ecology, Interactions in Ecosystems, The Biosphere and Human Impact on Ecosystems.

### Anatomy and Physiology Grades 11-12

1 credit

Complete survey of the systems of the human body designed for the student preparing for medical or health allied professions.

Prerequisite: Grade of "C" or better in Biology.

### Chemistry I Grades 11-12 (10<sup>th</sup> grade with instructor's permission)

1 credit

This course introduces students to key concepts and theories that provide a foundation for further study in other sciences as well as advanced science disciplines. Chemistry comprises a systematic study of the predictive physical interactions of matter and subsequent events that occur in the natural world. The study of matter through the exploration of classification, its structure and its interactions is how this course is organized.

Prerequisite: Students should have completed at a minimum Biology. They must have credits in Algebra I and Geometry. Students should be enrolled in or have already taken Algebra II.

COSTS: Scientific calculator required (prefer the TI-83 or the Plus 83), goggles. There is no lab manual for this course. The instructor will provide the labs.

### Physics Grade 12 (11<sup>th</sup> grade with instructor's permission)

1 credit

Physics elaborates on the study of the key concepts of motion, forces and energy as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. It includes extensive laboratory investigations involving observation, measurement and data interpretation. Several projects required.

Prerequisite: Students should have earned a B or better in chemistry, and they should be enrolled in or have already taken Pre-Calculus.

COSTS: graphing calculator required

## Social Sciences

### Modern World History Grade 9

1 credit

World History is a survey class of the history of the world from 1600 to the present. The student has the opportunity to get acquainted with people, places, and the events that have figured prominently in shaping the cultures of the world. Principles of geography, sociology, economics, and history will be emphasized through the learning standards of Ohio. Requirements will include exams, presentations, projects, and essays. Concepts of historical thinking will be practiced using primary and secondary sources from multiple perspectives to draw conclusions. This course provides the first social studies credit. Successful completion will result in an understanding of the history and connections that results in the interconnected global community of today's world.

### American History, 1877 to Present Grade 10

1 credit

This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

### American Government Grade 11

1 credit

Discovering how the American people govern themselves at national, state and local levels is the basis for this course. It is a yearlong course designed to introduce students to the fundamentals of U.S. and Ohio constitutional governance and includes a civic service requirement. A course fee of \$15.00 will be assessed for a test preparation textbook.

Prerequisite: American History

### Economics for the 21<sup>st</sup> Century Grade 12

1 credit

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

### CCP HIS201 The 60's

1 HS credit/3 college credits

~~This is an exploration of the most important decade of change in United States History. The 60s are examined through the lens of primary and secondary sources of art, music, movies, war, and news. This class is offered by Mrs. Bartley at Mohawk through Tiffin University. You must qualify for CCP through Tiffin University in order to take this class.~~

## Sentinel Career and Technology Center

### Automotive Technology Grades 11-12 (Sentinel)

3 credits

Automotive Technology is designed to provide students with the skills necessary to become an entry-level automotive technician. Instruction is provided on how to keep all makes and models of passenger vehicles in good operating condition. Students work on vehicles brought into the lab and are involved in diagnosis and repair. Throughout the lab experience, practically all parts and systems encountered by auto technicians will be included. Students are also taught safe work habits, job responsibility, and pride in their work and customer relations. Automotive Technology program completers obtain six (6) months of work experience credit towards ASE Certification. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

Building Construction Trades Grades 11-12 (Sentinel)

3 credits

This course is designed to provide experience for the development of knowledge and skills related to the building industry. The course provides the entry-level skills necessary in building a wood-framed structure.

The various aspects of construction taught are: electrical, masonry, plumbing, carpentry, dry walling, finishing, roofing and insulating. Other important aspects of the program involve cost estimating, ordering materials, and blueprint reading. The proper and safe use of both hand and power tools are equally important parts of the training. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

Business & Marketing Grade 12 Only (Sentinel)

3 credits

~~In the Business & Marketing program, students will learn fundamental business skills and concepts and become proficient with Microsoft Office software. Students will gain introductory knowledge of basic business operations, economics, and business relationships. The course will develop career awareness and employability skills through project based learning and hands-on learning. Students will participate in Business Professionals of America to prepare them to become emerging leaders and business professionals. Other important topics in the course include business management, business operations, personal finance, business technology, business ethics and law, business literacy, entrepreneurship, sales and marketing, and global business.~~

Career Exploration Grade 10 (Sentinel)

3 credits

The Career Exploration Program allows students to intently explore the varying aspects, procedures, and expectations of the programs offered at Sentinel. Each student will have the opportunity to actively explore and infiltrate lab options. Program choices for exploration include the following: Collision Repair, Auto Technology, Precision Machining, Electrical Trades, Building Trades, Welding and Fabrication, Culinary and Hospitality Management, Digital Technologies, Careers in Education, Health Careers Academy, Public Safety, and Independent Living. Students will create a career plan that will help enable them to successfully transition into the proper path throughout the rest of their high school education. Students will also be offered a consumer education class based on current state standards of career exploration during their time on campus.

Careers In Education Grades 11-12 (Sentinel)

3 credits

The Careers in Education program is designed to introduce students to careers in the field of education. This program allows students an opportunity to explore the teaching profession in a classroom and through extended classroom internships with cooperating teachers. Students will participate in classrooms at all grade levels, from pre-school to high school. As students gain experience in the classroom settings, they will compile a portfolio reflecting their overall internship and classroom participation. CIE students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

Collision Repair Technology Grades 11-12 (Sentinel)

3 credits

Collision Repair Technology is designed to provide students with the opportunity to develop the necessary skills to become a collision repair technician or to work in a related area. Instruction is provided on vehicles brought into the lab and students are fully involved with the determination of damage and repairs to be done. During the two years of training, practically all phases of the industry are experienced. Students are also taught safe work habits, job responsibility, pride in their work, and the ability to deal with the public. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

Cosmetology Grades 10-12 (Sentinel)

3 credits

The Cosmetology Program is a three-year competency based program designed to prepare students to successfully pass the State Board of Cosmetology examination and enter into employment as a licensed cosmetologist. The purpose of the first year is to teach all basic manipulative skills necessary to customer service activities and the overview of all related technology pertaining to their performance. In the second and third year, these skills are refined and an in-depth study of related technology concerning chemistry, electricity, anatomy, physiology, and salon management are undertaken as well as the review of all practical subject applications. During the senior year, the students will also participate in additional

coursework and document 300 hours of training for a manager license. A student who completes the three-year course and passes the state board exam will be a licensed managing cosmetologist. A professional, licensed managing cosmetologist will be able to own a salon and have many other career options. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

Culinary Arts & Hospitality Mgmt. Grades 11-12 (Sentinel)

3 credits

The Culinary Arts & Hospitality Management program is designed to introduce students to careers in the field of hospitality. As part of the National Restaurant Association's Pro Start program, this program covers all facets of the industry from working and managing a kitchen to being in charge of events and food service operations. You will gain valuable experiences spending 200 lab hours operating our restaurant, The Lunch Box Café and providing catering services. In addition, students will complete 200 internship hours at area restaurants and banquet facilities. Successful completion of the Pro Start program enables students to earn up to 15 college credits.

Digital Technologies Grades 11-12 (Sentinel)

3 credits

This program is designed to train students to be an onsite computer expert who specializes in one or more areas. Students will receive hands on training in systems design, set-up and management, software and hardware, and application design and programming. Beginning the second semester of Level 2, students choose a specialization area to concentrate in: Networking, Programming or Multimedia. Digital Technology students may also be enrolled in College Credit Plus courses taught at the Sentinel campus for additional technical classes.

Electrical Trades Grades 11-12 (Sentinel)

3 credits

Electrical Trades is devoted to electronic theory and trade information. Electronics include layout, assembly and testing electronic apparatus. The first year is for beginning students with little experience in electricity or robotics. It is intended to prepare students for entrance into one of the many opportunities in the field of electronics. The second year is an advanced continuation of the skills learned in the first year, plus programmable controllers and robotics. Students will be involved in a broad number of experiences as they relate to the electrical trades. Assembly, installation, maintenance, repairs, programming and inspection of electrical equipment will be taught. A vital unit to be taught will be dealing with the national, state and local codes, and OSHA by-laws and safety. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

Engineering, Technology & Robotics Grades 11-12 (Sentinel)

3 credits

This program applies Science, Technology, Engineering and Math (STEM) to explore mechanical, electrical and engineering technologies. Students will create, design, and implement solutions to complex engineering challenges. Engineering Technologies & Robotics students will experience multiple advanced engineering and robotics technologies. A student who completes this program will be prepared for college engineering technology programs, opportunity to obtain advance certifications, and possibilities for immediate employment. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

Health Careers Academy Grades 11-12 (Sentinel)

3 credits

The Health Careers Academy is designed to incorporate a diversified area of study in the medical field. The program offers a core curriculum in which skills for medical occupations will be taught including dental assisting, medical assisting, medical math, medical terminology and abbreviations, basic pre-nursing, pharmacy assisting and physical therapy assisting. Students also gain certification in STNA (State Tested Nurse Aide), CPR and First Aid. Students will also learn Anatomy & Physiology for Health Careers during both years of the program. During Level 2, students may participate in internships for more intense training in a specialty area. Beginning Level 1, Health Careers Academy students may be enrolled in College Credit Plus classes, which are taught at Sentinel.

Independent Living Grades 11-12 (Sentinel)

3 credits

The Independent Living program provides a modified curriculum that offers students the opportunity to develop skills to become employable and to learn various life skills. Independent Living will provide an innovative, career technical approach to learn transition skills in the areas of daily living, career exploration and development (horticulture and agriculture) and job readiness. Students will learn to adapt to new environments, recognize and solve problems, develop decision making skills, set and achieve goals, and maintain their personal health.

Nail & Esthetics Grades 11 or 12 Only (Sentinel)

3 credits

The Nail and Esthetics program is a one-year program competency based program designed to prepare students to successfully pass the State Board of Cosmetology Manicuring Examination and Estheticians Examination. Students whom enroll into the Nail and Esthetics program will learn Nail Technology first and after the 200-hour course is complete they will then learn the 600-hour Esthetician Program. For both programs students are taught all the basic manipulative skills necessary to customer service activities and the overview of all related technology pertaining to their performance and an in-depth study of related technology concerning chemistry, electricity, anatomy, physiology, and salon management are undertaken as well as the review of all practical subject applications.

Precision Machining Grades 11-12 (Sentinel)

3 credits

Precision Machining is a program offering a working knowledge of basic tool room machines such as the drill press, metal lathes, shapers, band saws, milling machines and grinders. Students will learn how to operate most types of machine tools and learn to know the working properties of metals in order to produce quality results. Students will be involved with marking, finishing and assembling the metal parts as developed from blueprints. They will also receive instruction on Computerized Numerical Controlled (CNC) and Computer-Aided Manufacturing (CAM) equipment. Students will be cross-trained with the Welding & Fabrication Technology program, learning basic welding skills to become a more valuable machinist. Precision Machining students will be taught how to safely use these machines and to properly maintain and adjust them. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

Public Safety – Grades 11-12 (Sentinel)

3 credits

This program is designed to provide students with knowledge and skills applicable to Public Safety careers including but not limited to Firefighting, Emergency Medical Technician-Basic, and Law Enforcement. The Level 1 year will include a diversified overview and exploration of the topics and skills used in the Public Safety Field. The Level 2 year will focus on Law Enforcement and include a 40-hour First Responder training and private security training. Both years, students will participate in physical fitness, agility and aerobic training. Public Safety students may be enrolled in College Credit Plus classes, which are taught at Sentinel.

Senior Only STNA (Nurse Aid) – Grade 12 only (Sentinel)

3 credits

This one year program offers a core curriculum designed to prepare students for health related careers or a college pathway. Students will earn certification in; First Aid, CPR, and STNA. Qualified students may enroll in College Credit Plus classes, which are taught at the Sentinel campus.

Welding and Fabrication Technology Grades 11-12 (Sentinel)

3 credits

Welding and Fabrication Technology is designed to prepare students and acquaint them with the breadth and scope of occupations in welding fabrication. Techniques of joining pieces of metal by applying heat to produce a permanent bond are coupled with classroom theory to produce a knowledgeable and skillful welder. Methods used in fabrication and other products made from heavy metal sheets are also included in this program. Students will receive instruction in Computer-Aided Design (CAD), layout techniques, fundamental pneumatics, hydraulics and robotics. Students may also be enrolled in College Credit Plus courses taught at the Sentinel campus.

## **Appendix A Honors Diploma Field Experience and Portfolio**

ODE now allows for a STEM Honors Diploma, an Arts Honors Diploma, and a Social Science/Civic Engagement Honors Diploma in addition to the three standard ones that have always existed. Each of the new parameters has a field experience and portfolio component to it that needs to be defined by the district in the event that any of our students choose that pathway to an Honors Diploma.

### ODE Definition

*Field Experience* refers to experiential learning in either an internship or apprenticeship. Students will document their experiences by describing their understanding in a portfolio.

*The Student Portfolio* is a collection of experiential learning and competencies based on the student's field experiences. Students will engage with professionals or scholars in the field while developing their own portfolio or ePortfolio of original work that documents their technical, critical, and creative skills representative of their honors focus; students' work must be reviewed and evaluated by scholars or professionals within the field/area of study in which the students' work is focused, and the scholars or professionals must be external to the district staff; students will give a presentation to showcase the work and provide an analysis of it to the school and local community. If the student does not complete a field experience, the portfolio can be based on a collection of work related to the students' honors diploma area of focus.

### Mohawk Definition/Requirement

Any Mohawk student who pursues the STEM, Arts, or Social Science Honors Diploma must complete a field experience or apprenticeship and/or a portfolio as part of the requirements for said Honors Diploma as outline by the Ohio Department of Education. Field experiences must be an academic year in length and be external to the school occurring within the student's intended field of study through an internship or apprenticeship arranged by the student and approved by the high school administration. No field experiences will be recognized without prior approval of the administration.

Further, students pursuing this field experience must provide proof, on a quarterly basis, that the student is still participating in the internship through a verifiable document from the field experience professional supervising the student. As prescribed by ODE, the student must also create a portfolio that outlines, in multiple ways, his/her own original work that includes technical, critical, and creative evidence that represents an honors focus. This portfolio must be evaluated by scholars or professionals external to the district, and the results and assessment of the portfolio must be presented to the high school administration via verifiable correspondence from those professionals who evaluated the work.

In addition, the student must conduct a presentation showcasing his/her own work where high school administration is invited to attend along with school personnel and members of the community at-large that is not limited to family.

Once all stipulations and requirements are met and approved by the high school administration, this portion of the Honors Diploma for STEM, Arts, or Social Sciences will be completed. If all other requirements are met that come in addition to the field experience/portfolio as set forth by the ODE, then the student will earn an Honors Diploma in the STEM, Arts, or Social Sciences area.