

SCHEDULING INFORMATION AND COURSE DESCRIPTION BOOK

2019-2020



Northwest High School

8580 Erie Ave NW

Canal Fulton, OH 44614

330-854-2205

<http://www.northwest.sparcc.org>

Dear Students and Parents,

This booklet contains course descriptions for the 2019 – 2020 school year for courses offered at Northwest High School. You will also find additional information to assist in the planning of your high school experience at NHS, as you move towards graduation. Students should take great care in reviewing all possible options for their class schedule for the 2019 – 2020 school year. In order to carefully plan the school year ahead, please utilize all of the available resources, such as your guidance counselor, your teachers, your parents, and this booklet. The selection of courses that fit your need is of paramount importance, but be advised that specific requirements do exist and are noted in this booklet.

With the above in mind, please take the time to read and review very carefully the information found in this booklet. Whether you are an incoming freshman or soon to be a graduating senior, you define your path by the courses you take. In Ohio, there are only two requirements to graduate from high school, which are the following:

- Credit requirements- Please refer to page 4.
- Test requirements- For the Class of 2018 and beyond – three pathways. Please refer to page 5 for specific details.

Wonderful opportunities for other experiences, such as athletics and other co-curricular activities, exist outside of these academic requirements. It is our hope that your high school experience extends beyond the daily class schedule that you choose to take. We look forward to watching you grow into adulthood by maximizing your potential. Utilizing your unique and varying needs, abilities, and interests, we hope that your high school experience assists in the development or enhancement of a love of learning while setting the foundation for your next challenge after high school.

We are here to assist you with meeting the goals that you have set for yourself at Northwest High School. The guidance staff is very knowledgeable and available to answer your questions and concerns.

Best wishes for much success in the coming year at Northwest High School.

Mr. Larry Tausch
Principal

2019 – 2020 Guidance Counselors

Students with last names beginning with the letter:

- Mrs. Annie Schlupe: A – J
- Mrs. Mary Nelson: K - Z

ADA Public Notice

The Northwest Local School District encourages all residents to participate in our programs and services. If you require an accommodation to take part in our district's programs, please contact the Americans with Disabilities Coordinator: Mrs. Victoria Hessey, Director of Special Services, 2309 Locust Street South, Canal Fulton, Ohio 44614. Phone: (330) 854 – 2291.

Advanced Placement (AP) Courses

Certain departments offer advanced placement (AP) courses in which students can gain university/college credit if they score high enough on the AP examination. Check closely with the Guidance Department and teachers before signing up for these courses to ensure that you make an informed decision and are aware of all requirements.

College Credit Plus (CCP)

(Previously known as PSEO and Dual Enrollment)

Beginning with the 2015 – 2016 school year, the College Credit Plus (CCP) program replaces Ohio's Post-Secondary Enrollment Options program (PSEO) and all dual enrollment programs previously available. In order to enroll in CCP courses, a student must:

1. Apply to the college in accordance with the college's established procedures for admission; and
2. Meet the established standards for admission and for course placement of the college/university.

In order to participate in this academic opportunity, parents and students must attend a mandatory information meeting regarding enrolling in CCP. By **April 1st**, the student and their parent(s) must inform the high school of their intent to participate in the program during the coming school year. This deadline is state mandated.

It is important that you discuss possible post-secondary courses with your guidance counselor to ensure that you will still earn the credits that you need for high school graduation.

On-site at Northwest High School, we are proud to partner with Stark State College to offer eligible students transcribed credit opportunities.

CREDIT REQUIREMENTS FOR GRADUATION

4 credits	English
1 credit	Modern World History
1 credit	American History
1 credit	American Government/Economics
1 credit	Physical Science
1 credit	Biological Science
1 credit	Science(elective) in addition to Physical Science and Biology
4 credits	Mathematics, including one credit of Algebra II or its equivalent
0.50 credit	Health
0.50 credit	Physical Education (which requires two semesters)
4.0 credits	Electives
0.50 credit	Computer Applications
0.50 credit	Money Management
	<u>Fine Arts</u>

20.00 credits **TOTAL CREDITS**

Science credits must include one unit of physical sciences, one unit of life sciences and one unit of advanced study in one or more of the following sciences: chemistry, physics or other physical science; advanced biology or other life science; astronomy, physical geology or other earth or space science.

Physical education- School districts may adopt a policy that would exempt students who participate in interscholastic athletics, marching band or cheerleading for two full seasons from the physical education requirement. Students must take another course to earn the half credit.

Elective credits must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.

Other requirements- All students must receive instruction in financial literacy during grades 9-12 and must complete at least two semesters of fine arts taken any time in grades 7-12.

TEST REQUIREMENTS FOR GRADUATION

Classes of 2018 and beyond – three pathways

The Ohio Legislature updated Ohio's graduation requirements in June 2014. The new graduation requirements begin with the Class of 2018. All students will be required to take end-of-course exams in the area of English Language Arts, Mathematics, Science, and Social Studies and meet one of three requirements:

1. **Ohio State Tests**- Earn a cumulative passing score of 18 points, using seven end-of-course exams. To ensure students are well rounded, they must earn a minimum of four points math, four points in English and six points across science and social studies.
 - Class of 2018:
 - English I, English II, Algebra I or Integrated Math I, Geometry or Integrated Math II, Physical Science, American History, American Government
 - Class of 2019:
 - English I, English II, Algebra I or Math I, Geometry or Math II, Biology, American History, American Government
2. **College Admission Test**- Earn “remediation free” scores in English language arts and mathematics on a national college entrance exam. The state of Ohio will pay one time for all 11th grade students to take the exam free of charge.
 1. **Industry credential and workforce readiness**- Earn 12 points through a State Board of Education approved, industry recognized credential or group of credentials in a single field and achieve a workforce readiness score on the WorkKeys assessment. The state of Ohio will pay one time for those who take the WorkKeys assessment.

The State Board of Education may decide to include Algebra II end-of-course exam in place of the Algebra I end-of-course exam beginning for students entering 9th grade on or after July 1, 2016.

Physical Education Exemption

In January of 2007, the Ohio Legislature passed Senate Bill 311 Provision (L). Sec. 3313.603 (L) reads,

Notwithstanding anything to the contrary in this section, the board of education of each school district and the governing authority of each chartered nonpublic school may adopt a policy to excuse from the high school physical education requirement each student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons. If the board or authority adopts such a policy, the board or authority shall not require the student to complete any physical education course as a condition to graduate. However, the student shall be required to complete one-half unit, consisting of at least sixty hours of instruction, in another course of study.

The Board of Education adopted such a policy in January of 2012 allowing Northwest students to fulfill the State of Ohio Department of Education physical education requirement by completing two full seasons of participation in board-approved interscholastic athletics, marching band including flag corps, or cheerleading. This waiver began with the class of 2014.

Title IX Notice

It is the policy of the Northwest Local Board of Education not to discriminate on the basis of sex in its educational programs or employment policy and procedures as required by the Title IX of the Educational Amendments of 1972. Any questions or inquiries about Title IX should be directed to Mrs. Lori Mariani, Principal, W.S. Stinson Elementary, 8454 Erie Ave. N, Canal Fulton, Ohio 44614. Phone: (330) 854 – 4646.

Northwest High School PE Waiver Form

In order to fulfill Ohio high school graduation requirements, one-half credit (two semesters) of physical education is necessary. The PE waiver option requires participation in two full seasons of interscholastic athletics, marching band, or cheerleading by the end of the student's junior year. It is important to understand that the PE waiver does not give course credits toward graduation, so the student must still complete the 0.50 credit, just in electives instead of PE. Also, if the student has participated for only one season of a sport/ activity, he/she must take two PE courses in school. This is a summary of information from the Ohio Department of Education.

One PE waiver form needs to be turned into the guidance Department with the proper signatures at the completion of each season. Once both PE waiver forms are received, the PE waiver will be added to the student's course history and will appear on the transcript.

Please complete the information below and turn it into Mrs. Cooper in the Guidance Office.

Waiver

(Two waivers are required for this exemption)

Please check one: Waiver 1 Waiver 2

Current Date: _____

Specific Sport or Activity: _____

Season and Year of Participation: _____

Student Name: _____

Parent Signature: _____

For High School Administration's Use Only

Granted

Denied

Date: _____

Signature: _____

Valedictorian (s)/ Salutatorian(s)

Cum Laude Honors Valedictorian/Salutatorian Recognition

Honor Level	Unweighted GPA	Other Requirement
Summa Cum Laude	3.95-4.0	4+ AP Courses OR 30+ CCP credit hours OR 4+ credit career-tech program*
Magna Cum Laude	3.75-4.0	2+ AP Course OR 15+ CCP Credits OR 4+ credit career-tech program
Cum Laude	3.5-4.0	None

*Students must be in an organized and sequential four or more credit career-technical program involving occupational preparation. This does not include Family & Consumer Sciences, which focuses on general life skills.

Valedictorian & Salutatorian Recognition

To be honored at graduation as a valedictorian or salutatorian, a student must be enrolled at Northwest High School at the beginning of his/her junior year of high school and must earn a minimum of ten (10) credits at Northwest High School. The valedictorian and the salutatorian will be selected for graduation purposes at the conclusion of the 1st semester of their fourth year. However, official and final status of valedictorian or salutatorian will not be assigned until all credit courses are included in the calculation. Thus, it is possible that a student's status could change at the end of his/her senior year.

Tiebreakers

- I. Level of Cum Laude Honor**
- II. Highest ACT (or SAT equivalent) score**
- III. Most AP courses**

- The student who wins the tiebreaker will be the valedictorian. The next student will be the salutatorian.
- If two or more students tie for first, then there will be co-valedictorians and no salutatorian.
- If there is one valedictorian and two or more students tie for second, then there will be co-salutatorians.
- Rank will no longer be listed on transcripts, however rank will be maintained internally and made available for scholarships, etc.

Diploma with Honors Criteria

Students need to fulfill only 7 of the following 8 criteria

Subject	Academic Diploma with Honors for Classes 2011 and Beyond	Career-Technical Diploma with Honors for Classes 2012 and Beyond
English	4 units	4 units
Mathematics	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content	4 units, including Algebra I, Geometry, Algebra II or equivalent and another higher level course or a four-year sequence of courses that contain equivalent content
Science	4 units, must include at least 2 of the following: physics, chemistry and/or AP biology	4 units, including two units of advanced science***
Social Studies	4 units	4 units
Foreign Language	3 units (must include no less than 2 units for which credit is sought), i.e., 3 units of one language or 2 units each of two languages	Not counted toward requirements
Fine Arts	1 unit	Not counted toward requirements
Electives	Not counted toward requirements	4 units of Career-Technical minimum. Program must lead to an industry-recognized credential, apprenticeship, or be part of an articulated career pathway, which can lead to post secondary credit.
Grade Point Average	3.5 on a 4.0 scale	3.5 on a 4.0 scale
ACT/SAT Score [excluding scores from the writing sections]*	27 ACT / 1210 SAT	27 ACT / 1210 SAT
Additional Assessment	Not applicable	Achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

Diploma with Honors requirements pre-suppose completion of all high school diploma requirements in Ohio Revised Code including:

½ unit physical education**	½ unit in American history
½ unit health	½ unit in government

*Writing sections of either standardized test should not be included in the calculation of this score.

**SB 311 allows school districts to adopt a policy exempting students who participate in athletics, marching band or cheerleading for two full seasons from the physical education requirement.

***Advanced science refers to courses in the Ohio Core that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with the new high school syllabi, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy), or contain material above the current OGT level.

Student Schedule Changes

Scheduling is an extremely important process and careful consideration must be devoted to course selection. Students and parents should work with the guidance counselor to develop schedules that meet individual student needs, as well as state and local graduation requirements.

To balance class size, provide sufficient staff material resources, stabilize student schedules, and maintain an appropriate educational atmosphere, schedule changes must be minimized. However, it is understood that some changes are necessary.

ALL REQUESTS for schedule changes will be governed by the following guidelines for the 2019 – 2020

school year.

1. Students will receive a copy of their schedule for verification by the middle of May.
2. Students will have until **May 25th** for a "change of mind" schedule change. Review both first and second semesters.
3. After **May 25th**, **only** the following changes will be allowed during the first five (5) days of the first semester and the first three (3) days of second semester (semester class).
 1. Upgrading your schedule--adding a class in place of study hall.
 2. Dropping a class because the student has no study hall.
 3. Level change--teacher recommendation only, i.e., AP U.S. History to American History.
 4. A sound educational reason as evaluated by the guidance counselor and/or building principal.

The following scheduling procedures also apply:

1. A full time student is required to take at least five courses per semester whether or not those credits are needed for graduation. The exceptions are work/study.
2. Students will receive an "F" on their transcript for courses dropped after the posted deadlines. The exception to this is approved level changes. In unusual cases the administration may change the student's schedule after the deadline without an academic consequence.
3. Students will not be permitted to change to a different teacher for the same course without the consent of the principal. This rarely allowed change would only be made in extreme circumstances.
4. Yearlong courses will not be split to accommodate schedule changes or course requests.
5. The Northwest Local Schools will accept credit from other public and private high schools. These transcripts, along with those from parochial, military academies, schools abroad and other special schools will be evaluated with the right of the administration to deny credit for courses which fall outside the bounds of general public school education.

Any elective class dropped later than the first five (5) days of the first semester and the first three (3) days of second semester (semester class) will mean that the student will receive an "F" in the class, which would be averaged into his/her cumulative grade average. A review committee will make all decisions regarding withdrawal, passing, or failing.

Credit Requirements for Athletic Participation

A student must have received passing grades during the previous grading period in a minimum of **FIVE** classes, or the equivalent, which count towards graduation. Physical Education credit does not count toward the “5” since it is only 0.25 credit for a semester. Along with the credit requirement, students must maintain a minimum of a 2.0 grade point average and abide by the academics policies governing student-athletes as adopted by the Northwest Local Board of Education. Please see the Student Handbook and/or the Athletic Handbook for further details.

Credit Requirements for NCAA Eligibility

If you plan to participate in college athletics, you should familiarize yourself with the NCAA Eligibility Center, which is located at www.eligibilitycenter.org. The NCAA information contained in this booklet is only meant to be a guide.

What are the Academic Initial-Eligibility Requirements?

The following requirements must be met in order for a student to be able to practice, play and receive a scholarship at an NCAA Division I or II college or university. **Be sure to look at Northwest High School’s list of NCAA-approved courses on the Eligibility Center website to make certain that the courses being taken have been approved as core courses.**

It is recommended that student athletes should register with the NCAA clearinghouse at the start of their junior year in high school. There is no actual registration deadline, but a student athlete must be cleared by the clearinghouse before he/she can receive a scholarship or compete in a sport at the collegiate level.

Core Courses

- NCAA Divisions I and II require 16 core courses. Specific courses are detailed below.

Beginning August 1, 2016, NCAA Division I will require 10 core courses to be completed prior to the seventh semester (at least seven of the 10 must be a combination of English, mathematics, or natural/physical science). Grades achieved in such courses must be used in the student’s academic certification and cannot be replaced by courses or grades achieved after starting the seventh semester.

Division I – 16 Core Courses Breakdown

(Courses Must Appear on the List of Approved Core Courses)

- 4 years of English
- 3 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab science if offered by high school)
- 1 year of additional English, mathematics, or natural/physical science
- 2 years of social studies
- 4 years of additional courses (from any area listed above, foreign language, or comparative religion/philosophy)

Division II – 16 Core Courses Breakdown

(Courses Must Appear on the List of Approved Core Courses)

- 3 years of English
- 2 years of mathematics (Algebra 1 or higher)
- 2 years of natural/physical science (1 year of lab science if offered by high school)
- 3 years of additional English, mathematics, or natural/physical science
- 2 years of social studies
- 4 years of additional courses (from any area listed above, foreign language, or comparative religion/philosophy)

For specific ACT/SAT scores, grade-point average requirements and other important information, please review the NCAA Eligibility Center, which is located at www.eligibilitycenter.org.

From the NCAA Eligibility Center:

Athletes must now be placed on the Institutional Request List IRL. “With the new rule, you must now contact a college coach and request that he place your name on his IRL list. Once a coach has decided to put you on his IRL list, he will contact the NCAA and request that your name be cleared through the clearinghouse. Once one coach has requested your application to be cleared, you will be eligible to play at any NCAA school in the country.

. . . Because the NCAA Eligibility Center is forced to handle such a huge volume of applications it can take up to six months to process your application, if you wait too long you may miss your chance to be cleared on time.”

Online Coursework

Northwest High School offers online courses through a program called Florida Virtual to enrich the curriculum by allowing students to take courses that are not offered during the traditional school day or take courses that may not be available due to a scheduling conflict.

Online learning requires self-discipline and a strong commitment to success, so students and parents should be thoughtful about whether or not an online course is a good fit for a child’s learning style. The guidance counselor will review the student’s academic history, requested course, and/or scheduling conflict to assist in the determination of whether or not an online course should be considered.

Students wishing to be considered for an online course should speak with their guidance counselor.

COURSE DESCRIPTIONS

**All course fees and AP testing fees listed are the current rates and are subject to change pending BOE approval.

010 – PHYSICAL EDUCATION – Grades 9-12, 1 Semester, ¼ Credit, **Required.**

The physical education course is intended to meet the needs of secondary students through a broad comprehensive program of physical activities. Units of instruction are offered on team and individual sports, fitness, rhythmic activities and life-time carry-over sports. The instructional program encompasses skill teaching of team and individual competitive activities and provides opportunities of individual leadership and fellowship. It is intended that these instruction units will encourage continued interest and participation and be further expressed in intramural, interscholastic programs and serve as an avenue in developing a worthy adult leisure time carry-over. Regular attendance, effort, participation and proper clothing **are vital.**

030 – HEALTH – Grade 9-12, One Semester, ½ Credit, **Required (If not already received in 8th grade).**

This class is designed to direct student interest toward desirable health attitudes and practices which can maintain the natural good health of young people and carry it on into their adult years.

040 – SPORTS MEDICINE – Grade 10-12, One Semester, ½ Credit.

In this course, students will learn through instruction and hands-on application, the multiple components of sports medicine. This includes topics such as: anatomy/ physiology, injury prevention and evaluation, physical therapy techniques, common sports injuries (concussions, ligament sprains, muscle strains, etc), nutrition/ eating disorders, first aid, emergency response, CPR, health/wellness, professional/ethical conduct, taping and wrapping techniques, sports psychology, kinesiology and motor behavior, drug use/abuse in sports, exiting sport, and athletic training. This course does not count toward the required minimum credits for graduation. Potential lab fee may be applied of \$15 for equipment.

050-BASKETBALL & FITNESS - Grade 9-12, One Semester, ½ Credit.

This course is designed to give students the opportunity to learn and develop fundamental and advanced skills in basketball, as well as fitness concepts and conditioning techniques used for achieving and maintaining optimal physical fitness. Students will learn basic fundamentals and advanced techniques of basketball, aerobic training, and overall fitness training and conditioning. This course does not count toward the required minimum credits for graduation.

060- TEAM SPORTS- Grade 9-12, One Semester, ½ Credit

This unit is designed to introduce and provide opportunities for students to develop the basic and intermediate skills in a variety of sports and activities that they will be able to participate in now and in the future. Students will be exposed to the basic skills, strategies and etiquette of the various activities. The components of fitness: muscular strength, muscular endurance, flexibility, body composition and cardiovascular fitness will be emphasized throughout the course. This course does not count toward the required minimum credits for graduation.

ENGLISH COURSES

110 – ENGLISH 9 – Grade 9, Full Year, 1 Credit, **Required.**

This course is designed to develop students' analytical skills of literary genres such as poetry, nonfiction, the epic, short story, drama, and the novel. Students will analyze a variety of aspects of literature to derive meaning from their experience of literature and relate literature to their own lives. Requirements of the course will include research projects in both APA and MLA style, plus various independent reading projects. The vocabulary, grammar, and writing skills needed for writing multi-paragraph essays are also enriched.

120 – ENGLISH 10 – Grade 10, Full Year, 1 Credit, **Required.**

This course will further develop students' analytical skills of literary genres including non-fiction, fiction, short stories, Shakespearean Drama and the novel. Composition and presentation skills will be practiced, vocabulary will be enhanced, and grammar skills will be honed over this year long class. Requirements of the course will also include research projects in both APA and MLA style, plus independent reading projects.

130 – ENGLISH 11 – Grade 11, Full Year, 1 Credit, **Required.**

This course is a survey of a wide selection of eminently readable literature representing the work of significant American writers ranging in time from Colonial days to the Modern period. Emphasis will be placed on vocabulary development, literary forms, techniques, styles and contributions of the various authors to American and English Literature. Requirements of the course will include a research essay in MLA style, plus an in-depth study of one or two novels.

Literature and author-based projects and the study of short story literature will be included in this course.

140 – ENGLISH 12 – Grades 11-12, Full Year, 1 Credit, **Required.**

Students in this course read selections from early to modern English literature and learn of the society that produced it in preparation for college English courses. Selections from American and World literature may be incorporated for clarification of concepts. Emphasis will be placed upon the Ohio Content Standards for grade twelve, including the acquisition of college preparatory vocabulary, reading and writing applications, research, and communication skills.

151 – DRAMA AND STAGECRAFT – Grades 11-12, One Semester, ½ Credit. This course does not meet NCAA eligibility requirements.

This course begins with a history of theater from its early Greek beginnings through the modern age of musicals. Stagecraft is approached from the director's point of view. The basic areas of play production will be studied, including directing, choreography, theatre etiquette, audition process, make-up, and casting. Also, such things as voice, body movement and costuming will be discussed and practiced. The art of acting and theatre concepts will be approached. Students will read three one-act Plays. The class will also help or be a part of the school musical in the production of school plays and musicals. **This course may count towards elective credit but will not count towards the required English credits for graduation.**

152 – ELECTRONIC MEDIA – Grades 10-12, One Semester, ½ Credit. This course does not meet NCAA eligibility requirements.

This course introduces concepts central to electronic and digital media. It also develops a student's basic understanding of media in a digital world. Students will learn the use of digitally generated and computer enhanced media. This course is project based; students will complete slide shows, digital videos, pod casts, advertisements, autobiographies, and documentaries using Google and Microsoft products. **This course counts only towards elective credit and does not count towards the required English credits for graduation.**

153 – NEWSPAPER WRITING – Grades 11-12, One Semester, ½ Credit. This course does not meet NCAA eligibility requirements.

This introductory class is open to juniors and seniors. Students will have experience writing hard news stories, features, editorials, columns, interviews, etc. Other newspaper units will include the power of the press, journalism and the law, copy writing and editing procedures, exposure to advertising, public relations and entrepreneurship. Students will learn the art of InDesign and Adobe Photoshop to create magazine covers, etc. All writing assignments are scheduled in a deadline format. Missed deadlines will result in failure. **This course counts**

only towards elective credit and does not count towards the required English credits for graduation.

154 – PUBLIC SPEAKING– Grades 11-12, One Semester, ½ Credit. This course does not meet NCAA eligibility requirements.

This course provides students with the opportunity to learn and practice the skills of effective verbal communication. Because these skills are so important in today's society, it is highly recommended that all students enroll in this course at some time during their final two years of high school. **This course counts only toward elective credit and does not count toward the required English credits for graduation.**

155 – SPECIAL PUBLICATIONS – Grades 9-12, Full Year, 1 Credit. This course does not meet NCAA eligibility requirements.

Special Publications is a yearlong course designed to create, publish and distribute the Northwest High School yearbook, The Chieftain. Students in this course are required to learn basic elements of design, layout and photography; become familiar with the Jostens Yearbook Avenue online program; learn business management techniques through the sales of ads and the yearbook; and create layouts in order to complete the yearbook. Participants gain useful, real world skills in time management, marketing, teamwork, and design principles. Students should recognize that they represent Northwest High School, the yearbook staff and its advisor at all times and must sign a contract stipulating they will act appropriately while on yearbook assignment. In order to be considered for yearbook staff, interested students must complete an application process. **This course counts only towards elective credit and does not count towards the required English credits for graduation.**

158 - MYTHOLOGY - Grades 11-12, One Semester, ½ Credit

This course will include historical background of classical cultures and the effects myths have on our modern vocabulary, literature, communications, and popular culture. **This course counts only towards elective credit and does not count towards the required English credits for graduation.**

159 - POETRY- Grades 11-12, One Semester, ½ Credit

The Poetry course will further the student's ability to read poetry closely and thoughtfully; to help the student understand and recognize the elements and poetic devices commonly in use by poets; to analyze historical and structural trends in poetry; to develop further the ability to organize thoughts accurately and effectively; to understand the difference between literary explication and analysis; to offer students opportunities to explore their own experiences critically through the medium of poetry. **This course counts only towards elective credit and does not count towards the required English credits for graduation.**

160- MODERN JOURNALING- Grades 10-12, One Semester, ½ Credit

Explore a variety of journal writing strategies using the arts (art, music and photographs) and internet tools to practice and develop effective writing skills. Develop voice, choice and a love for playing with language. This allows students to experience the therapeutic value of journal writing as well as encourages the student to flourish in a creative writing format. Students will create an authentic, meaningful journal and use journaling techniques that will motivate even the most reluctant students. **This course counts only towards elective credit and does not count towards the required English credits for graduation.**

161- CREATIVE WRITING- Grades 10-12, One Semester, ½ Credit

In Creative Writing students write personal narratives based on their own experience and short fiction drawn from their imaginations. Characterization, point of view, description, dialogue, and other narrative techniques are practiced in addition to other writing techniques appropriate to all other forms of writing. Opportunities may also be provided for writing poetry. **This course counts only towards elective credit and does not count towards the required English credits for graduation.**

162- MOVIES AND LITERATURE - Grades 10-12, One Semester, ½ Credit

Movies and Literature offers students the opportunity to study film and its relationship to literature. Students will learn how to recognize, analyze, and evaluate the literary dynamic and cinematic aspects of film. They will respond, both orally and in writing, to the filmmaking concepts and literary themes taught in class. In addition, students will be responsible for writing film reviews, comparing and contrasting the works of various directors, researching critical essays, and understanding the concept of genre and its application to the study of film. **This course counts only towards elective credit and does not count towards the required English credits for graduation.**

163-POPULAR LITERATURE - Grades 10-12, One Semester, ½ Credit

This course is for students who enjoy reading contemporary fiction and non-fiction and who would like to participate in a discussion group that will explore the ideas and issues in current and past best sellers. This class will promote community literacy and develop life-long readers. This is designed for students who like to read for pleasure. Students will create and participate in book clubs, write book reviews, and learn about contemporary authors through various media sources. Works will be chosen independently with teacher guidance. **This course counts only towards elective credit and does not count towards the required English credits for graduation.**

198- ADVANCED PLACEMENT ENGLISH LANGUAGE Grade 11, Full Year, 1 Credit, Teacher Recommendation Required, **\$90 Test Fee.**

Advanced placement English Language requires students to become skilled readers of prose written in a variety of rhetorical contexts and skilled writers. This course requires summer reading selection, which will be incorporated into the class and graded assignments. In the Spring of the year, students are required to participate in nationally administered Advanced Placement English test and by performing well on this examination, may obtain college credit.

199 - ADVANCED PLACEMENT ENGLISH LITERATURE- Grade 12, Full Year, 1 Credit, Teacher Recommendation Required, **\$90 Test Fee.**

Advanced Placement English Language requires students to become skilled readers of prose written in a variety of rhetorical contexts and skilled writers. This course requires summer reading selections, which will be incorporated into the class and graded assignments. In the Spring of the year, students are required to participate in a nationally administered Advanced Placement English test and by performing well on this examination, may obtain college credit.

156 - ENGLISH COMPOSITION I - Grades 11-12, One Semester, 1 Credit/ 3 College Credit, (College Credit Plus Option) Prerequisite: English 11 and acceptance into Stark State University by their eligibility standards.

Explore different types of writing, including creative writing, technical report writing, grant writing, scriptwriting, writing for media, writing for the Web or business communications writing while building a solid foundation for bachelor's degree. You'll learn written communication, critical thinking and problem solving skills.

157 - ENGLISH COMPOSITION II - Grades 11-12, One Semester, 1 Credit/ 3 College Credit, (College Credit Plus Option) Prerequisite: English 11 and acceptance into Stark State University by their eligibility standards.

Explore different types of writing, including creative writing, technical report writing, grant writing, scriptwriting, writing for media, writing for the Web or business communications writing while building a solid foundation for bachelor's degree. You'll learn written communication, critical thinking and problem solving skills.

MATHEMATICS COURSES - All math courses must be followed in prescribed sequence.

Math Course Progression Pathways:

1. Math I → Math II → Integrated Mathematics III → Integrated Mathematics IV

2. Algebra I → Geometry → Algebra II → Precalculus
or → Probability & Statistics/Trigonometry
(by permission only)

3. 8th Grade Algebra → Geometry → Algebra II → Precalculus → AP Calculus

Beginning with the Class of 2014, students who complete 8th Grade Algebra receive high school credit for the course, and therefore the final grade for the course will be listed on the student's high school transcript and will be included in the cumulative grade point average.

209 –MATH I – Grade 9, Full Year, 1 Credit. Teacher recommendation and MAP result analysis.

The program intends for students to perceive the importance of deductive reasoning and appreciate the need for accurate algebraic manipulation and precision of algebraic language. It engages students in the areas of expressions, equations, and applications using the symbolic structure of algebra. Staff will utilize MAP results to assist in placement in this course.

210 – ALGEBRA I – Grade 9, Full Year, 1 Credit. Not open to those with credit in Math I.

The program intends for students to perceive the importance of deductive reasoning and appreciate the need for accurate algebraic manipulation and precision of algebraic language. It engages students in the areas of expressions, equations, and applications using the symbolic structure of algebra.

219 –MATH II – Grade 10, Full Year, 1 Credit, Prerequisite: Math I or by Teacher recommendation from Algebra I.

The program is designed for all students who have completed Math I. The laws of Euclid from both a synthetic and an algebraic perspective will be studied. The course includes classifying and representing problem situations with, and deducing properties from, figures, both two and three-dimensional. This course is designed for sophomores. Staff will utilize MAP results to assist in placement in this course.

220 – GEOMETRY – Grades 9-10, Full Year, 1 Credit, Prerequisite: Algebra I (or Integrated Mathematics I by Teacher Recommendation Only).

Geometry is designed for all students who have completed Algebra I. Geometry studies the laws of Euclid from both a synthetic and an algebraic perspective. The course includes classifying and representing problem situations with, and deducing properties from, figures, both two and three-dimensional. This course is designed for sophomores.

229 – INTEGRATED MATHEMATICS III – Grade 11, Full Year, 1 Credit, Prerequisite: Integrated Mathematics II or Special Permission.

Integrated Mathematics III is the third course in the sequence of the integrated mathematics series designed to cover Algebra I, Geometry, and Algebra II concepts. In addition to continuing the approximate two-thirds/one-third split between algebraic and geometric content, this course integrates content from Algebra I, Geometry, measurement, probability, statistics, transformations, advanced functions, trigonometry, and systems of equations, matrices, and logarithms. Prerequisites for this course are Integrated Mathematics I and II. Chapter themes and a wealth of career, consumer, and technical applications are an integral part of the program. Features of the program engage students in practical activities that illustrate the importance of mathematics in everyday life. Integrated Mathematics III is designed to be followed by Integrated Mathematics IV to get a complete high school math series covering Algebra I, Geometry and Algebra II.

230 – ALGEBRA II – Grades 10-11, Full Year, 1 Credit, Prerequisite: Geometry (or Integrated Mathematics II by Teacher Recommendation Only).

Algebra II is a course that extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations and functions; (2) linear equations and inequalities; (3) system of equations and inequalities; (4) polynomials; (5) rational and radical functions; (6) logarithmic and exponential functions; (7) matrices; (8) sequences and series; (9) conic sections and (10) data analysis. A graphing calculator, specifically a TI-83+ or TI-84+, is required to go with the textbook.

239 – INTEGRATED MATHEMATICS IV – Grade 12, Full Year, 1 Credit, Prerequisite: Integrated Mathematics III or Special Permission.

Integrated Mathematics IV is the fourth and final course in the sequence of the integrated series designed to cover Algebra I, Geometry, and Algebra II concepts. Integrated Mathematics IV concentrates on Algebra II concepts like solving equations, linear and quadratic functions, systems of equations, matrices, polynomials, complex numbers, inverse and radical functions, exponential and logarithmic functions, and conics.

240 – PRECALCULUS (previously known as ADVANCED MATH) – Grades 11-12, Full Year, 1 Credit, Prerequisite: Algebra II. (College Credit Plus Option)

A course designed to prepare students for college mathematics. The real number system, sequences, vectors, polynomial expressions, Trigonometry, and complex numbers are presented. This course studies algebra and geometry in preparation for coursework in calculus. A graphing calculator is required. **A TI-84+** is recommended to go with the textbook.

We expect to offer this course as a college credit plus course, which is a course that the Stark State College and Northwest High School will partner to provide eligible high school students the opportunity to earn both high school and college credit while attending Northwest High School.

We expect to offer this course as a college credit plus course, which is a course that the Stark State College and Northwest High School will partner to provide eligible high school students the opportunity to earn both high school and college credit while attending Northwest High School.

250 – PROBABILITY AND STATISTICS – Grade 12, One Semester, ½ Credit, Prerequisite: Algebra II – Graphing calculators required. A TI-83+ or TI-84+ is recommended. Teacher Recommendation Required.

This will be a study of probability and statistics and must be taken with course 251 Trigonometry during the same school year. The purpose of the Probability and Statistics curriculum is to encourage student awareness of the importance of mathematics in the modern world. This course is an introduction to the study of probability, interpretation of data, and fundamental statistical problem solving. The course will cover basic statistical concepts that will prepare the student to take a college-level statistics course in the future. Students will explore and analyze data by observing patterns or the absence of patterns, interpret information from graphical and tabular displays, apply appropriate statistical models to infer information from data, and learn to use technology in solving statistical problems.

251 – TRIGONOMETRY – Grade 12, One Semester, ½ Credit, Prerequisite: Algebra II – Graphing calculators required. A TI-83+ or TI-84+ is recommended, Teacher Recommendation Required.

This will be an intense study of trigonometric functions and must be taken with course 250 Probability and Statistics during the same school year. Topics covered will include right triangle trigonometry, graphing trig functions (sinusoids), trig identities, trig equations, law of sines/law of cosines, solving oblique triangles, inverse functions/equations, circular functions and their applications. Polar graphing and graphing conics in rectangular and polar coordinates are additional topics, which may be covered. The one semester trigonometry course provides an excellent foundation for the study of pre-calculus.

299 – ADVANCED PLACEMENT CALCULUS AB – Grade 12, Full Year, 1 Credit, (Class of 2018: 5.0 Grading Scale; Class of 2019 and beyond: 4.0 Grading Scale); Prerequisite: Precalculus - Graphing Calculator Required, Teacher Recommendation Required, **\$90.00 Test Fee.**

The course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, axiomatic geometry, trigonometry, analytic geometry, and

elementary functions. The course will include material from both differential and integral calculus. This course requires at least one summer assignment, which will be incorporated into the class. In the spring of the year, students are required to participate in a nationally administered Advanced Placement Calculus test and by performing well on this examination, may obtain college credit.

SCIENCE COURSES – All science fees - \$5.00

310 – PHYSICAL SCIENCE – Grade 9, Full Year, 1 Credit, **Required**. Lab fee required.

This is the foundational course of a three-part sequence of required sciences. It surveys the basic concepts of chemistry, physics, and environmental science at an introductory level, with the emphasis placed on the physical sciences. It serves as an introductory basis for the higher-level science courses offered to upperclassmen.

320 – BIOLOGY – Grade 10, Full Year, 1 Credit, **Required**. Lab fee required.

Biology 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.

330 – EARTH SCIENCE – Grades 11-12, Elective, Full year, 1 Credit, Prerequisite: Physical Science. Lab fee required.

Earth Science is the study of both the physical earth and how humans shape and react to our changing planet. This course deals with the debate over manmade climate change, personal and worldwide conservation and overuse of Earth's natural resources, the development and use of renewable energy sources, the exploration and understanding of our solar system and universe, as well as the natural cycles and processes of the oceans, atmosphere, and geologic layers of the Earth.

340 – CHEMISTRY – Grades 10-12, Full Year, 1 Credit, Prerequisites: Algebra I and Biology. Lab fee required.

Chemistry is the study of materials. It tries to describe and explain the how and why of the composition, properties, interactions, and changes of matter. Topics include atomic theory and structure, chemical bonding, chemical equations, states of matter, gas laws, acids and bases, rates of reactions, and organic chemistry. Lab skills will be developed, nurtured, and used.

350 – ANATOMY/PHYSIOLOGY – Grades 11-12, Full Year, 1 Credit, Prerequisite: Biology; Chemistry is strongly recommended. Lab fee required.

Anatomy/Physiology is the study of the cell, its processes including genetics and reproduction, and its requirements for metabolism. Upon completion of these introductory concepts, an in-depth study of the anatomy and physiology of the human organism, as well as a comparative study of other organisms, is pursued. All human systems are studied using representative mammals for dissection.

360 – PHYSICS – Grades 11-12, Full Year, 1 Credit, Prerequisites: At least a “C” in Algebra II and at least two other science credits, preferably Chemistry. Lab fee required.

Physics is the study of the interactions of matter and energy found in the physical world. It deals with four basic categories: Kinematics (the study of motion), Dynamics (the study of forces), Energy (forms and conversions), and Waves (light and sound). Good mathematical skills are vital along with the ability to look at things differently than before.

380- METEOROLOGY- Grades 11-12, One Semester, ½ Credit, Prerequisite- Physical Science & Biology. Lab fee required.

This course provides students with a understanding of Earth's fluid atmosphere and the role of these processes in creating weather. Topics include Past, current, and future climates, Severe and Unusual Weather, Climate Dynamics and other topics in various special topics in atmospheric science.

381- ASTRONOMY- Grades 11-12, One Semester, ½ Credit, Prerequisite- Physical Science & Biology. Lab fee required.

This course introduces students to the composition and structure of the universe. This course provides students with a comprehensive study of the universe and the conditions, properties and motions of bodies in space.

399 – ADVANCED PLACEMENT BIOLOGY – Grades 11-12, Full Year, 1 Credit, Prerequisite: Chemistry, Lab Fee Required, **\$90.00 Test Fee.**

Advanced Placement Biology is the equivalent of a college-level General Biology course taught to students in the secondary school. The process of inquiry will be used to foster critical thinking skills while investigating a curriculum structured around the four big ideas, enduring understandings, and science practices developed by the College Board. Since a thorough presentation of biology involves the use of concepts learned in chemistry, students should first complete a course in chemistry with high marks. College level textbooks are used, and laboratory experiments and observation are an integral part of the course. Students must utilize the textbook and its website, the lab manual, and a course website for additional resources and

assignments. After completing this course, students will participate in a nationally administered Advanced Placement Biology test and by performing well on this examination, may obtain college credit.

SOCIAL STUDIES COURSES

410 MODERN WORLD HISTORY - Grade 11, Full Year 1 Credit, **Required.**

This course introduces students to the history of the modern world. We will examine how the political, economic, and social changes of the last five centuries have affected peoples across the world. Particular emphasis will be placed upon the emergence of modern notions of production, consumption, and trade from a global perspective. Prominent themes include growth and dynamics of empires, colonization and decolonization, technology and the development of a global economy, nationalism and revolutionary movements, the interplay of political, cultural, and religious values, and modern imperialism and its influence on global societies, economies, and political systems.

420 – AMERICAN HISTORY – Grade 9-10, Full Year, 1 Credit, **Required.**

This is a survey course in United States History from about 1877 to the Present. This is a required course of all 9th grade students that meets all of the objectives for the state assessments as put forth by the Ohio Department of Education. This course will incorporate all Ohio strands and benchmarks. This will be a full year course and one credit will be given for successful completion of this course.

430 – AMERICAN GOVERNMENT & ECONOMICS – Grades 10-11, Full Year, 1 Credit, **Required.**

This course will provide a study of basic government and economics. It will include an extensive study of the United States Constitution; its content and meaning. It will also include the structure and function of the national, state, and local government entities. The other half of the course will include an introduction to basic micro and macroeconomics principles and terminologies.

451 - SOCIAL PSYCHOLOGY - Grades 11-12, One Semester, ½ Credit. Will be offered during the 2019-2020 school year and every other year thereafter (i.e.:2021-2022 2023-2024, etc)

This course is an introduction to the scientific study of behavior. The course will survey the development of psychology as a science, the history of psychology, psychological methods,

learning and memory, the physiology of behavior, sensation, motivation, emotion, personality, psychosis, neurosis treatment, and individual behavior in groups.

452- SOCIOLOGY- Grades 11-12, One Semester, ½ Credit. Will be offered during the 2018-19 school year and every other year thereafter (ie 2020-2021, 2022-2023, etc)

How do we become a member of society? Communication, role, status, norms, and socialization will be examined. Other units will include the future, the family, religion, social classes, prejudice and discrimination.

453 - CONTEMPORARY WORLD ISSUES- Grades 11-12, One Semester, ½ Credit. Will be offered during the 2018-19 school year and every other year thereafter (ie 2020-2021, 2022-2023, etc)

The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include: competing beliefs and goals; methods of engagement; as well as conflict and cooperation. This course will address the fact that contemporary issues have political, economic, social, historic, and geographic components. Approaches to addressing global and regional issues reflect historical influences and multiple perspectives. Students can impact global issues through service learning and projects.

454 GEOGRAPHY - Grades 11-12, One Semester, ½ Credit. Will be offered during the 2019-2020 school year and every other year thereafter (i.e.: 2021-2022, 2023-2024, etc.)

This course builds on students' understanding of geographical and spatial thinking. Contemporary issues are explored through the lens of geography. In addition to understanding where physical and cultural features are located and why those features are located as they are, students examine the implications of these spatial arrangements.

Topics include: spatial thinking and skills; environment and society; movement; regions; human settlement; and globalization.

455- STREET LAW- Grades 11-12, One Semester, ½ Credit.

Street Law is a practical program of legal education designed to engage high school students in a critical examination of their legal responsibilities and rights. In this elective students have the opportunity to conduct discussions, research and debates with their classmates about practical legal problems, contemporary legal issues, and the ramifications of breaking the law. Street Law works to provide an understanding of the fundamental principles of authority, fairness, justice and responsibility that underlie our legal system.

499 – ADVANCED PLACEMENT U.S. HISTORY – Grades 10-12, Full Year, 1 Credit, (Class of 2018: 5.0 Grading Scale; Class of 2019 and beyond: 4.0 Grading Scale) 3.0 Average, Teacher Recommendation Required, **\$90.00 Test Fee.**

The Advanced Placement U.S. History course is designed to prepare students for the U.S. History Advanced Placement test and for advanced college courses by making demands on them equivalent to those of introductory college courses. Study skills will be reinforced. Students will participate in discussions, write essay examinations, write research papers, engage in outside reading programs including during the summer, and develop the analytic skills and factual knowledge necessary to deal critically with the problems and materials of U.S. History. The Colonial Period, the American Revolution, the Jacksonian Period, the Civil War, and the Reconstruction Periods, Populists and Progressives, the New Deal, international affairs, and events in the post-1945 period will be studied. All units will include political history, economic and social developments, and literary and cultural history. Admission to the course is by recommendation only. This course requires summer reading selections, which will be incorporated into the class and graded assignments. In the spring of the year, students are required to participate in a nationally administered Advanced Placement U.S. History test and by performing well on this examination may obtain college credit.

BUSINESS COURSES

555 – ACCOUNTING I – Grades 10-12, Full Year, 1 Credit, Fee: \$55.00.

This course deals with how to analyze and journalize business transactions in the various accounting systems. Students will complete an in-class business simulation based on the accounting cycle in a “hands-on” application. A must for students interested in a business field and also a real asset for college-bound students.

556 – ACCOUNTING II – Grades 11-12, Full Year, 1 Credit, Prerequisite: Accounting I, Fee: \$28.00.

This course gives the potential post-secondary business student a deeper knowledge about accounting that cannot be covered satisfactorily in the beginning year, increases their technical competence, and gives a broader understanding of business activities that they need in order to maintain and interpret financial records for efficient management. This course is in independent study.

558 – COMPUTER APPLICATIONS – Grades 9-12, One Semester, ½ Credit, **Required.**

Computer Applications is a one semester course using Microsoft Office 2010 software. Industry standards are the over-all goal of this course. Applications in Microsoft Word, Microsoft Access, Microsoft Excel, Microsoft Outlook and Microsoft Powerpoint are covered. Students will be able

to move through the curriculum at a pace that is suitable to them. This course will be invaluable to the student now and for the remainder of their high school and college careers as well as into their professional careers.

560 – COMPUTER PROGRAMMING – Grades 9-12, One Semester, ½ Credit

The Computer Programming class is designed for the beginning student who would like to learn the fundamentals of program development. Problem-solving and logical thinking skills will be taught. The software that will be used is Visual Basic, which is the industry standard in computer programming.

571 – MONEY MANAGEMENT – Grades 9-12, One Semester, ½ Credit, **Required.**

Money Management is a class that will give you a head start on your future! Learning how to manage your money is one of the most important skills you can have. Why? Because your financial decisions will have long term consequences, either good or bad. We'll give you the tools and knowledge that will help you win with money right from the start. When it comes to your financial future, we want you to aim high and dream big. There's a lot to learn, so get ready to kick start your financial future!

573 - SPORTS MARKETING –Grades 11-12, One Semester, ½ Credit.

In Sports Marketing, students will gain a strong understanding of how to apply marketing strategies and tactics within the sports marketing environment. This course offers an interactive, hands-on approach to learning the strategies of marketing. Students in Sports Marketing will have the opportunity to apply what they learn by promoting sporting events at Northwest High School.

561 - AP COMPUTER SCIENCE PRINCIPLES – Grades 10-12, Full Year, 1 Credit,
\$90 Test Fee

AP® Computer Science Principles is the newest AP course from the College Board, and became an official AP course in the 2016-17 school year. This course introduces students to the foundational concepts of computer science and explores the impact computing and technology have on our society.

With a unique focus on creative problem solving and real-world applications, the CodeHS AP Computer Science Principles course gives students the opportunity to explore several important topics of computing using their own ideas and creativity, use the power of computing to create

artifacts of personal value, and develop an interest in computer science that will foster further endeavors in the field.

FAMILY AND CONSUMER SCIENCE COURSES

Home visitation and a student's action projects are part of all courses at all grade levels.

610 – CHILD DEVELOPMENT – Grades 9-12, One Semester, ½ Credit.

In this course students will study the principles of child growth, development and behavior. An emphasis will be placed on cognitive development of a child and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

611- PRINCIPLES OF FOOD- Grades 9-12, One Semester, ½ Credit. \$15 Lab Fee Required. Will be offered during the 2019-2020 school year and every other year thereafter (ie 2021-2022, 2023-2024, etc)

In this course students will gain knowledge in food selection criteria and apply preparation methods to promote a healthy lifestyle. Students will apply cooking methods, ingredient selection and nutritional information in the context of selected food dishes. Throughout the course, basic food safety and sanitation techniques will be emphasized.

612 - NUTRITION AND WELLNESS - Grades 9-12, One Semester, ½ Credit. \$15 Lab Fee Required. Will be offered during the 2018-19 school year and every other year thereafter (ie 2020-2021, 2022-2023, etc)

This course provides students with an overview of good nutrition principles that are necessary for physical and mental wellness and a long, healthy life. Instructional materials include discussions of digestion, basic nutrients, weight management, sports and fitness, and life-span nutrition. The course emphasizes an understanding of today's food and eating trends and gives students the capacity to evaluate all available sources of nutrition information and make informed decisions.

613 FOOD SCIENCE - Grades 10-12, One Semester, ½ Credit. \$15 Lab Fee Required. Will be offered during the 2018-19 school year and every other year thereafter (ie 2020-2021, 2022-2023, etc)

This course covers the science involved in producing, processing, preparing, evaluating and how your body uses food. Students will study a variety of topics that include the following:

metabolism and energy transfer in living organisms, homeostasis, food additives, food safety, and food preparation.

614 – CAREER AND COLLEGE READINESS – Grades 11-12, One Semester, ½ Credit

In this course will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict resolution, negotiation, leadership and entrepreneurship.

615 - GLOBAL FOODS- Grades 11-12, One Semester, ½ Credit. \$15 Lab Fee Required. Will be offered during the 2018-19 school year and every other year thereafter (ie 2020-2021, 2022-2023, etc)

In this course students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market and apply advanced cooking techniques, including those of specialty and advanced equipment in the preparation of food dishes.

670 – COLLEGE AND CAREER SUCCESS SKILLS – Grades 11-12, One Semester, ½ Credit. (College Credit Plus Option)

Designed to aid students in gaining success skills needed for constructive and efficient learning both in college and other life settings. Topics include punctuality and discipline; study and test taking skills; critical thinking/problem solving; library use; and a variety of techniques in oral and written communication. Other workplace topics such as reliability; teamwork and collaboration; creativity and innovation; leadership; professionalism; techniques to demonstrate a commitment to being drug free; and respect for global/intercultural awareness will be explored. Students will also self advocate and articulate their strengths, knowledge and experiences relevant to success in a job for post secondary education.

We expect to offer this course as a dual enrollment course, which is a course that the Stark State College and Northwest High School will partner to provide eligible high school students the opportunity to earn both high school and college credit while attending Northwest High School.

FOREIGN LANGUAGE COURSES

710 – SPANISH I – Grades 9-12, Full Year, 1 Credit.

This course is designed to initiate the student into the study of the Spanish language. The student will begin to understand the basic structure of the language. Knowledge in the four language skills of listening, reading, writing and speaking in the target language will be developed. The student will be introduced to certain aspects of the Hispanic culture. It is recommended that the prospective student have good English skills (language structures, parts of speech, etc. are very similar to English.)

720 – SPANISH II – Grades 10-12, Full Year, 1 Credit, Prerequisite: Spanish I.

This course is designed to complement and enhance the skills which were introduced in Spanish I. The student will have the opportunity to expand his/her vocabulary as well as to advance his/her ability to listen, read, write and speak in the target language. There will be a study of more complex grammatical structures. The study of culture is integrated and broadened through the use of readings and audiovisual materials.

730 – SPANISH III – Grades 11-12, Full Year, 1 Credit, Prerequisite: Spanish I, II.

This course is a continuation of the skills introduced in the previous Spanish courses. Students will review and learn to a greater depth, the grammar of the target language. Basic oral and written communication is fostered to enhance the skills acquired up to this point. A greater emphasis is placed upon culture. Students begin to learn of individual countries, social, political, and economical structure. Also, cultural awareness will be promoted through the study of art, utilizing readings and audiovisual materials.

740 – SPANISH IV – Grade 12, Full Year, 1 Credit, Prerequisite: Spanish I, II, III.

This course is designed to culminate the student's learning experience of the target language. Grammatical structures, and oral and written skills which were acquired in the previous levels, will be refined. A formal study of works from Spanish literature is begun along with extensive use of audiovisual materials to supplement the curriculum. Besides the study of literature, the cultural aspect will be enhanced with a survey of historical events and artistic contributions.

ART COURSES

811 – ART I – Grades 9-12, One Semester, ½ Credit, \$10.00 Lab Fee Required.

Basic art is a survey course that provides a foundation for further work in the visual arts. It is also a prerequisite for any further studies in art. It introduces the basic principles of art in the areas of drawing, painting and design, with an emphasis on creativity. The student will be

expected to develop a working knowledge of terms and skills in the areas mentioned above. Fee, sketchbook and supply list are required.

812 – ART II – Grades 10-12, Full Year, 1 Credit, Prerequisite: Art I, \$15.00 Lab Fee Required.

Art II is an extension of Art I. Art II offers a variety of experiences, such as advanced drawing, advanced painting, limited three-dimensional design, graphics and calligraphy. More advanced media and concepts are introduced such as colored pencils, oil pastels, watercolors, as well as acrylics, printmaking and various sculpture media. An emphasis is placed on developing a sense of criticism and evaluation of self and others. Originality, creativity and independent thinking are stressed. Fee, sketchbook and supply list are required.

813 – ART III – Grades 11-12, One Semester, ½ Credit, Prerequisite: Art I, II, \$10.00 Lab Fee Required.

Art III is recommended for the more serious art student and particularly one planning an art career. The Art III student is one that would exhibit high interest, self-direction, self-motivation originality, creativity and independent thinking. Emphasis is placed on developing a portfolio. Fee, sketchbook and supply list are required.

814 – ART IV – Grade 12, One Semester, ½ Credit, Prerequisite: Art I, II, III, \$10.00 Lab Fee Required.

Self-direction and self-motivation is imperative. More time is devoted to long-range projects designed to meet each student's interests and needs. Fee, sketchbook and supply list are required.

860 – ART APPRECIATION – Grades 10-12, One Semester, ½ Credit.

This course will highlight the major art movements from prehistoric to the present, including Egyptian, Greek, Roman, Renaissance, Baroque, Rococo and Modern (20th Century). The goal of this course is to gain an understanding of where art is today, however, in the process, appreciate where art has come from. Some "hands on" experiences will be done with lecture and extensive use of visual aids. This is an ideal course for the college bound student who needs a fine arts credit or a "must" for the art major. * Teacher signature required*

865 – CERAMICS I – Grades 10-12, One Semester, ½ Credit, Prerequisite: Completion of Art I with a minimum of B. The lab fee for this course is \$40.00. Additionally, students will be expected to provide some of their own supplies.

This course will introduce students to the three-dimensional form. Students will look at the history of ceramics as created by the early Native Americans and Greeks. Three hand-building

methods, pinch, coil, and slab will be taught. Some reading and writing covering relevant topics required. * Teacher signature required*

866 – CERAMICS II – Grades 10-12, One Semester, ½ Credit, Prerequisite: Completion of Ceramics I with a minimum of B. The lab fee for this course is \$40.00. Additionally, students will be expected to provide some of their own supplies.

This course continues to improve upon construction techniques learned previously. Focus is placed on the use of the elements and principles of design as this relates to creating quality 3-D artworks. Research aimed at broadening your understanding of the role of ceramics throughout history. * Teacher signature required*

868 – PAINTING I – Grades 10-12, One Semester, ½ Credit. Prerequisite: Art I. The lab fee for this course is \$15.00. Fee, sketchbook and supply list are required.

This course is a studio course introducing students to classical and contemporary painting styles, techniques and concepts, as approaches to making representational paintings on canvas. Most of the in-class time is spent actually making paintings. Students will complete this course with a basic understanding of and competency with the skills, both visual and manual, involved in making representational paintings. No hazardous thinners are involved, only water and acrylic paint. * Teacher signature required*

869 – PAINTING II – Grades 10-12, One Semester, ½ Credit, Prerequisite: Painting I. The lab fee for this course is \$15.00. Fee, sketchbook and supply list are required.

This course builds on the techniques and concepts that were learned in Painting I. The emphasis is on exploration of additional techniques and concepts with a focus on personal selection of subject and theme. This course will examine the interdependence of medium and image.* Teacher signature required*

MUSIC COURSES

815 – CONCERT CHOIR – Grades 9-12, Full Year, 1 Credit. Placement in this choir is non-auditioned. There is a \$25.00 choir fee per year. The choir fee is applied to the purchase of music and robe cleaning.

This group is open to all students of Northwest High School in grades 9-12. All freshmen will participate in this group, which will be non-auditioned. Basic expectations of membership will include: attendance at duly-scheduled performances; participation to an acceptable level at all

times in class; and fostering of an attitude of growth and improvement in both the individual and the group. It is to be considered a training ground for Varsity Choir.

Emphasis in learning will be focused on learning basic musical skills and vocal production through a wide variety of literature. A calendar of performances will be established adequate to challenge the present membership. Activities such as the Harvest Dinner Fall Concert, Christmas Concert, Winter Concert, Contest, and Spring Concert will be expected.

Further information including the course's attendance policy can be found in the Choir Handbook.

816 – VARSITY CHOIR – Grades 10-12, Full Year, 1 Credit. Audition required. Also, there is a \$25.00 choir fee per year. The choir fee is applied to the purchase of music and robe cleaning.

This will be an auditioned group of upperclassmen at Northwest High School, selected for their vocal ability, attitude, and desire to continue improving in the vocal arts. Standards are higher than those in Concert Choir. Varsity Choir will include students in grades 10-12, they will perform in several major concerts each year, singing a variety of literature written for choirs. In addition, activities and performances may be added to the schedule.

Emphasis will be placed upon the learning of vocal control, musical and stylistic interpretation, as well as the advancing basic musicianship. It is to be considered a training ground for Chorale. Being of auditioned personnel, high expectations will be maintained; membership is to be consistently earned. The Varsity Choir represents Northwest High School, like the Chorale, as a musical performance organization striving for excellence.

Further information including this course's attendance policy can be found in the choir handbook.

817 – CHORALE – Grades 11-12, Full Year, 1 Credit. Audition required. Also, there is a \$25.00 choir fee per year. The choir fee is applied to the purchase of music and robe cleaning.

Only students who can maintain the highest standards of musical excellence through performances will be permitted to hold membership in the Northwest High School Chorale. Chorale is open to students in grades 11-12 with at least one year of high school choral experience pending audition.

Emphasis will be placed on greater mastery of performance skills, and a varied repertoire of music from all periods. All activities for other groups will be included on the Chorale calendar, as well as a number of further performances.

Members of the Chorale are assumed to be people of musical integrity and experience, who are prepared to devote the time and energy necessary for the best experience for themselves, the

group, and the group's representation at Northwest High School. Members will demonstrate continued mastery of skills and music.

Further information including this course's attendance policy can be found in the choir handbook.

818 – NORTHWEST SINGERS – Grades 10-12, Full Year, 1 Credit. Audition required.

Especially designed for students in grades 10-12 wishing for an extremely intense experience in musical theatre, singing, and audience communication. This group is extremely exclusive and will function in show choir style, to serve the needs of community entertainment. It will maintain some responsibility of out-of-school time for practices and performances and will be requested to purchase their own outfits. Students will audition and will be expected to be excellent representatives of the Northwest High School Choirs at all times. All members must hold membership in Concert Choir, Varsity Choir, or Chorale as well.

850- MUSIC APPRECIATION- Grades 10-12, One Semester, ½ Credit.

This course is for students with and without prior musical training. Students will learn about a variety of genres of music through the evolution of classical to present day music. Students will listen to, analyze and describe music of many different styles. In addition to studying many aspects of music, including artists and composers, students may also have the opportunity to play rhythm and percussion instruments and try woodwind and brass instruments. As part of the class, students will also learn basic note reading and musicianship that could be a springboard for them to be productive amateur or professional musicians.

851-BAND- Grades 9-12, Full Year, 1 Credit. Open to all students showing sufficient knowledge on their chosen band instrument.

Students will be taught the fundamentals of instrumental music and literature appropriate for band performance. Includes mandatory rehearsals and performances outside of school time from August until the graduation/ Memorial Day performance each year. All band students must be in both marching band and concert band with the exception of JV and Varsity football players, who are excused from marching band. It is possible to be in any other sport or extracurricular activity and still be a band member.

Band members may participate in any of the following, in addition to concert and marching band: Jazz band, pep band and OMEA Solo and Ensemble contest. Students preparing a solo for Solo & Ensemble must take private lessons outside of school. Students who borrow school owned instruments must pay a deposit \$50.00 (refunded after instrument is returned) and a rental fee \$25.00 per semester (\$50.00 total) each year. A \$25.00 uniform cleaning fee is required for all students to pay to the Northwest Band Boosters for upkeep of both marching and concert uniforms.

VOCATIONAL/R.G.DRAGE/PERRY/TECH PREP

GENERAL INFORMATION

Any student regardless of sex, race, handicap or national origin, who has successfully completed the tenth grade and will be sixteen years of age by October 15th is eligible to apply for enrollment in any two-year vocational class offered at R.G. Drage. Any student successfully completing the 11th grade may apply for enrollment in our work-study program, Diversified Cooperative Training. (D.C.T.)

By prior arrangement and written agreement, our R.G. Drage students may take needed academic courses at Northwest High School, on a limited basis, as their schedule permits. (Recommendation of the student's counselors and permission from the Principal is required).

Most programs offer Early Placement Programs whereby arrangements are made for qualified students to be released from school during half of the senior year for part-time work experience.

Each vocational program offers a total of four credits per year. Each student earns credits in lab, related, and academic subjects. Academic subjects include English, math, and social studies. Credits in these academic areas may be taken to earn graduation requirement credits not earned at Northwest High School. See a guidance counselor for guidelines as to credit required for entry into programs.

2.0 Credits	Mathematics
2.0 Credits	Science
2.0 Credits	English
2.0 Credits	Social Studies
0.50 Credit	Health
0.50 Credit	Physical Education (which requires two semesters)
0.50 Credit	Computer Applications
0.50 Credit	Money Management

CAREER TECHNICAL PROGRAM OFFERINGS

ANIMAL SCIENCE & MANAGEMENT/PRE-VETERINARY

The Animal Science & Management/Pre-Veterinary Technology program is designed to give students a working knowledge of animal management and veterinary science through the study

of many animals, including cattle, sheep, swine, horses, poultry, and goats. This course will provide an understanding of breeds, animal health, nutrition, training, anatomy and physiology, grooming, and related employment skills.

AUTO COLLISION TECHNOLOGY

Auto Collision Technology includes lab and related technology in auto body repair, restoration, and restoring of a damaged vehicle. This program is designed to equip students with entry-level skills and familiarize them with advanced repair procedures and equipment. Shop management and safety topics are included in the curriculum as well.

This program emphasizes all phases of auto body repair: painting, body and panel alignment, fiberglass and plastic repair, welding, auto refinishing, and shop safety.

AUTO SERVICES TECHNOLOGY

In this ASE certified program, students learn to maintain, diagnose, and service automobiles. Auto Services Technology students become familiar with brake and electrical systems, suspensions, and alignments. In addition, students use the latest test equipment, including a computerized engine analyzer. Shop management and safety topics are also included in the curriculum.

Students who complete the program are eligible to take the ASE exam in May of their senior year. Following the successful completion of the exam, students must work one year in the industry to receive their credentials.

BAKERY/PASTRY OPERATIONS

This program uses the baking industry to teach students about the highly diverse food manufacturing and marketing industry. Students make a wide variety of sweet and savory baked goods that include pizza, yeast bread products, cakes, donuts, cookies, pies, and other specialty food items.

Students specialize in the preparation of specialty foods, mixing methods, and identification and application of ingredient usage. The most modern equipment is utilized in training students to enhance their culinary skills. The bakery lab provides students with hands-on skills that are transferable to every aspect of the food industry.

A key component of the program is the management of a student-operated café that is open to the public. Students learn the managerial and communicative skills necessary to be successful in the public sector.

Upon completion of this two-year program, students may enter the work place or take advantage of post-secondary education and scholarship opportunities available at technical, two-year or four-year colleges and universities.

BUILDING CONSTRUCTION TECHNOLOGY

The Building Construction Technology program teaches students a broad range of entry-level skills. The program includes the fundamentals of carpentry, finish carpentry, roofing, dry-wall, flooring, painting, siding, electrical, plumbing, cement, masonry, and blueprint reading. Students are trained to maintain, repair, construct, and remodel buildings and homes.

During the course of the program, students will participate in on-site and off-site experiences. In addition, students may receive up to four industry-related certifications within the two-year program

COSMETOLOGY

There are many new career opportunities for cosmetologists, and the outlook for a career in hair design and cosmetology remains fantastic! Skincare, spa treatments, and nail care are the hottest specialty growth areas today.

Students in the Cosmetology program gain skills in complete hair care, including styles, cuts, color, and chemical and texture; facial/skin care; and manicure/pedicure.

Cosmetology students are provided hands-on experiences and are qualified to take the State of Ohio Board of Cosmetology Exam at the end of their senior year if they pass the required lab, related, and academic classes.

CULINARY ARTS

The Culinary Arts field is the second largest employer in the U.S. and our program is second to none!

Students learn everything from basic food preparation to entry-level management. They are trained on state-of-the-art equipment and practice skills including, but not limited to: dining room skills, ice carving and design, menu planning, cost control, and catering operations. Students also have the opportunity to compete in culinary competitions.

This course also includes potential certifications in the National Restaurant Association ServSafe and ProStart programs and the American Culinary Federation.

DENTAL ASSISTING

In the Dental Assisting program students learn to work in cooperation with a dentist in the care and treatment of patients. Along with basic dental laboratory procedures, students learn dental terminology, use of instruments and equipment, x-ray procedures, preparation of dental materials, as well as dental office management skills.

As a dental assistant, you will perform many tasks requiring both interpersonal and technical skills. If you enjoy working with people and have strong communication skills, the Dental Assistant/Hygienist program will be a rewarding experience.

EARLY CHILDHOOD EDUCATION

Students in Early Childhood Education learn about the development of children from birth to third grade.

During the first year, students operate a pre-school for three to four year-old children. Students complete weekly lesson plans, which include the Early Learning Content Standards. In the second year, students experience hands-on training with infants, toddlers, and school-aged children in childcare centers and elementary schools in Stark County. Students also learn about Down Syndrome, Cerebral Palsy, and Autism. Possible certifications include First Aid/CPR, Communicable Disease, Child Abuse, CDA hours, and PITC (Program for Infant/Toddler Caregivers).

GRAPHIC COMMUNICATIONS

This program is designed to provide students the competencies and skills required for entry-level positions in the field of graphic communications. Students develop skills in computer graphics using state-of-the-art equipment and software, which includes Adobe InDesign. Additionally, students gain proficiency in printing and use of printing equipment. Students also gain experience working with customer service during the course of their two-year program. Graduates of the program are encouraged to further their education by earning a two or four-year degree in several areas of graphic communications.

HEALTH TECHNOLOGIES

If you have a passion for helping, consider a health technologies career. As a student in this program, you will gain a hands-on overview of the health care field, which will give you the knowledge base necessary to be successful in a variety of health care settings and post-secondary institutions. With this cross-training of skills, you will have many opportunities available to you, including preparation for the State-Tested Nurse's Aide Exam and the online Pharmacy Tech Exam.

Many career opportunities exist within the Health Services Career Field, including careers in: nursing, radiology, optometry, nutrition, physical therapy, occupational therapy, rehabilitation, and prevention and wellness. Students in the Health Technologies program will receive classroom instruction in theory and laboratory practice, where they can practice and acquire patient care skills in real life situations. Technical skills and knowledge learned include: monitoring condition of patients, assisting with activities of daily living, communicating effectively, and utilizing technology. In addition, the areas of phlebotomy and electrocardiogram are studied.

HEATING, VENTILATION, AIR CONDITIONING, & REFRIGERATION (HVAC)

Heating, Ventilation, and Air-Conditioning technicians design, install, maintain, and repair the equipment used to provide environmental indoor air quality in homes and buildings. Residential

and light commercial heating, ventilating, and air conditioning, along with refrigeration, are the main focuses of this program.

Students in the HVAC program will gain real world experience working with organizations such as Habitat for Humanity. In addition, the growing emphasis on energy cost and utilization is creating a need for technicians to renovate, convert, and service existing heating and air conditioning systems.

HVAC technicians work indoors and outdoors; above and below ground; in homes, hospitals, and shopping centers; and in many other industrial areas. Students learn to utilize blueprints and drawings; install refrigeration lines and pipes; install furnaces and air-conditioners; test electronic control systems; design, install, and troubleshoot electrical systems; and repair heating and air-conditioning systems.

HEAVY TRUCK/DIESEL TECHNOLOGY

The demand for skilled diesel technicians continues to grow because trucks are a vital part of our country's economy. Our Heavy Truck/Diesel lab is one of the highest-level technology labs in the state of Ohio! This two-year program is designed to provide students with practical instruction in the diagnosis, repair, and maintenance of trucks, buses, and other diesel-powered equipment. Heavy Truck/Diesel Technology students work with a variety of equipment from small trucks to tractor-trailers.

Students are trained in the following Automotive Service Excellence (ASE) certificated curriculum areas: diesel and gasoline engines, air/hydraulic brake systems, steering/suspension systems, electrical systems, drive train, and heating/air-conditioning systems (including transport refrigeration and mechanical and electronic fuel injection).

METAL FABRICATION

This program educates students in the fundamentals of the welding industry. It prepares men and women using a variety of hands-on training. Students learn the fundamentals of welding—the most common way of permanently joining metal parts and the processes used to fabricate metal.

Welding has a solid track record in technology and process advancements. Because of its strength, welding is used to construct and repair parts of ships, automobiles, spacecraft, and thousands of other manufactured products. Job prospects in this industry continue to flourish, and the students of the R. G. Drage Metal Fabrication program continue to be recruited from area businesses!

Skills taught within the program include: Arc welding (steel, stainless steel, cast iron, and aluminum), GMAW (MIG) welding, GTAW (TIG) welding, gas welding, Flux core welding, plasma arc-cutting, gas cutting, air carbon arc cutting, blueprint reading, and fabricating weldments.

POWER EQUIPMENT ENGINEERING TECHNOLOGY

Students enrolled in Power Equipment Engineering Technology learn to troubleshoot, maintain, and repair a wide variety of engines and power equipment. Hands-on training is provided on recreational equipment, such as motorcycles, ATVs, golf course equipment, construction

equipment, lawn and garden equipment, and compact tractors. In addition, students gain experience in welding skills, paint applications, and electrical system repair.

PRECISION MACHINING TECHNOLOGY

Precision machine operators in the metal working industry play a very major role in producing almost every consumer product that we rely on today. Whether making components for aerospace, automotive, or medical industries, you are sure to enjoy this challenging profession. This state-of-the-art program uses all the latest equipment and strategies to give you skills that are current in the machining industry. Students receive extensive training on **CAD/CAM and Tooling U software, as well as state-of-the-art 3D Prototype Design. Becoming** proficient in these programs provides transferable skills that can be used in a variety of career fields. Precision Machining Technology is a practical step toward a two-year or four-year degree and a lifetime career!

SPORTS MEDICINE & REHABILITATION

This program is designed to equip students with the knowledge and skills necessary to provide a pathway to careers in sports medicine and physical rehabilitation. Students may become certified in the safety and emergency procedures used to prevent, treat, and manage sports injuries. In addition, students will study exercise science to learn how to create and manage rehabilitation plans and how to provide fitness training.

Collaboration with community resources will serve to give students *real-world* and *real-work* experience. Moreover, an even greater variety of high pay, high-demand careers await students who continue their training in a related area at the college level.