

WESTERN WAYNE HIGH SCHOOL

CURRICULUM GUIDE 2019-2020

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Courses, course availability and course requirements may be subject to change



The purpose of the guidance program is to help individual students throughout the school year. Since the school is preparing students to take their place in the world of work, or continued education, one major function is to assist students in selecting courses which are best suited to their needs, abilities, and interests. A computer-based guidance information program is also available in our Career Guidance Center. Information is available in the guidance office regarding various occupations, part-time and summer jobs, as well as the armed services.

School counselors assist students with course selections and vocational/educational planning. Counselors help students improve their study habits and counsel them regarding personal problems.

Students who need to see their school counselors must make appointments through the guidance secretary. This should not be done during class time unless it is an emergency.

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PROMOTION AND GRADUATION

All students MUST select a career path each year and schedule prescribed courses within the program. Students must carry a minimum of 7 credits per year. Students are required to pass 22.5 credits in order to graduate. The following courses are required:

English	4 credits
Social Studies	
Math	3 credits (including a minimum of Algebra I - can be achieved through Algebra A
	/Algebra B)
Science	3 credits (one of which must be Biology)
Physical Education	4 years
Health	¹ /2 credit
**Career & Consumer Skills	¹ /2 credit
	Successful completion required for Graduation
Keystone Exams	Successful completion of Algebra, Biology, and Literature Keystone Exams
Required for graduation beginning with the class	s of 2022. Any student not passing a Keystone Exam will be required to receive remediation.
**Students must take this course, but	it is not a graduation requirement.

WEIGHTED GRADING

The Western Wayne High School has chosen to reward students for taking more challenging courses. Students who take the following courses will receive a 5% or 3% weighted grade.

Art Department

** 963 – Advanced Studio Art

English Department

**130A- English 9 Honors
**140A- American Lit. Honors
**155A- Multi-Cult. Lit. Honors
**166A- British Lit. Honors
*156- AP Eng. Lang. & Comp.
*165- AP Eng. Lit. & Comp.

Foreign Language Department

*365-AP Spanish Language & Cult.

*= 5% Weight **= 3% Weight

Mathematics Department

**430-	Geometry Honors
**440-	Algebra II Honors
**453-	Statistics
**450A-	Pre-Calculus Honors
**460-	Calculus
*465-	AP Calculus
*970-	AP Computer Sci. Prin.
*971-	AP Computer Sci. A

Social Studies Department

*230A- Amer. Cults. I Honors
*240A- AP U.S. History
*255- AP World History
*265- AP U.S. Govt. & Politics

Science Department

**541A- Inq. Bio.w/Lab Honors
**551A- Chem. w/Lab Honors
*556A- Anat. & Phys. Honors
*563- AP Biology w/Lab
*565- AP Chemistry w/Lab
*570- AP Physics1:Alg-Based
*571- AP Physics2:Alg-Based

Technology Department

**742- Precision Prod. I **752- Precision Prod. II **754- Auto Mech. III **755- Construction Tr. I **765- Construction Tr. II

Note: The grade that is represented on the student's report card DOES NOT INCLUDE the attached weight of 5% or 3%. The computer program that runs our grading system will automatically add the 5% or 3% and calculate the WEIGHTED GRADE into the student's cumulative grade point average. EXAMPLE: A student who earns a "97%" in AP Government would have an additional 4.85 points (which is 5% of the grade) added to his or her quarter average. Therefore, a grade of 101.85% would be calculated into the cumulative grade point average.

CREDIT

10	Project Based Assessment	1⁄2
101	.Transition	.1⁄2

* ART

920	Introduction to Ceramics	¹ /2
935	Art Foundations	1
940	Studio Art I	1
943	Ceramics I	¹ /2
944	Ceramics II	¹ /2
945	Watercolor Painting	¹ / ₂
946	Mixed Media Design	1/2
950	Studio Art II	1
960	Three-Dimensional Design	¹ ⁄2
962	Studio Art III	1
963	Advanced Studio Art	2

BUSINESS

640	.Computer AppsMicrosoft Word/Keyboarding	1
642	.Introduction to Business	1
643	Business and Personal Law	1
648	.Computer Apps Microsoft PowerPoint/Excel	1
651	Accounting I	1
654	.Entrepreneurship	1
655	.Marketing	1
661	Accounting II	1
664	Business Communications & Procedures	1
669	.Dynamics of Work	1
681	.School-to-Work Experience	1-3

ENGLISH

130	.English 91
	.English 9 Honors
	American Literature
140A	American Literature Honors
144	.English as a Second Language1
155	. Multicultural Literature
155A	.Multicultural Literature Honors1
156	. AP English Language & Composition 1
165	. AP English Literature & Composition 1
166	.British Literature in the Modern World1
166A	.British Literature Honors
980	.SAT Prep Writing and Critical Reading ¹ /2



FAMILY & CONSUMER SCIENCE

821	Nutrition & Wellness	1
825	Career & Consumer Skills	1⁄2
833	Introduction to Sewing	1
	Basic Foods	
840	Culinary Pastry Arts	1
	Textile and Design	
	Child Development	
	Gourmet Foods	
	Family and Consumer Science Lab Technician	
855	Early Childhood Education I	1
	Advanced Cooking	
862	Family Development	1
	Fashion I	
864	Fashion II	1
865	Early Childhood Education II	3

FOREIGN LANGUAGE

330	French I1
331	Spanish I 1
	German I
	. German II
	. French II
	Spanish II1
	Spanish III

361	Spanish IV	1
	. AP Spanish Language & Culture	

NUMBER

COURSE

CREDIT

MATHEMATICS

430	.Geometry Honors	1
431	. Algebra I	1
432	.Algebra (A)	1
440	Algebra II Honors	1
441	.Geometry	1
442	. Algebra (B)	1
443	Applied Geometry	1
450	.Pre-Calculus	1
450A	.Pre-Calculus Honors	1
451	Algebra II	1
453	.Statistics	1
460	.Calculus	1
461	. Trigonometry & Advanced Algebra	1
465	. AP Calculus	1
970	AP Computer Science Principles	1
972	AP Computer Science A	1
975	.Computer Programming I	1
976	.Computer Programming II	1
977	.Computer Programming III	1
	.Computer Programming IV	
981	.SAT Prep Math	1⁄2
985	.Keystone Algebra	1⁄2



925	Band	1
	Chorus	
	Chorus	
	Theater Arts	
	Stage Crew	
971	Music Theory I	
979		

NUMBER



PHYSICAL EDUCATION AND HEALTH

40	.Boys 9 Gym	1⁄2
41	.Girls 9 Gym	1⁄2
40	.Boys 10 Gym	1⁄2
41	.Girls 10 Gym	1⁄2
60	.Boys 11 Gym	1⁄2
61	.Girls 11 Gym	1⁄2
60	.Boys 12 Gym	1⁄2
61	.Girls 12 Gym	1⁄2
92	.Adaptive Gym	1⁄2
99	.Advanced Gym	1⁄2
52	.Health Education	1⁄2

SCIENCE

531	General Science 9	. 1
541	Inquiry Biology w/Lab	. 11⁄2
541A	Inquiry Biology w/Lab Honors	. 11⁄2
542	Applied Biology w/Lab	. 1
551	Chemistry I w/Lab	. 11⁄2
551A	Chemistry I w/Lab Honors	. 11⁄2
552	Applied Chemistry w/Lab	. 1
556	Anatomy & Physiology w/Lab	. 1
556A	Anatomy & Physiology w/Lab Honors	. 1
561	Physics w/Lab	. 11⁄2
562	General Keystone Science	. 1⁄2
563	AP Biology w/Lab	. 11⁄2
565	AP Chemistry w/Lab	. 11⁄2
566	Chemistry Lab Technician	. 1⁄2
567	Biology Lab Technician	. 1⁄2
568	General Science Lab Technician	. 1⁄2
569	Physics Lab Technician	. 1⁄2
570	AP Physics 1 – Algebra Based	. 11⁄2
571	AP Physics 2 – Algebra Based	. 11⁄2

*



SOCIAL STUDIES

230	American Cultures II	.1
230A	American Cultures II Honors	.1
240	American Cultures III	.1
	AP US History	
	World Cultures	
	AP World History	
	American Government/Economics	
261	Psychology	.1⁄2
	AP United States Government & Politics	



TECHNOLOGY & ENGINEERING

720	CNC Advanced Manufacturing	, 1
721	Metal Technology Lab Technician	. 1⁄2
722	Introduction to Metal Technology	. 1
723	Visual Communications I	. 1
724	Introduction to Automotive Technology	1⁄2
732	Metal Technology I	. 1
733	Visual Communications II	. 1
	Auto Mechanics I	
735	Construction & Manufacturing Technology I	1⁄2
736	Automotive Lab Technician	1/2
742	Precision Production I	. 2
743	Wood Technologies Lab Technician	1⁄2
	Auto Mechanics II	
745	Construction & Manufacturing Technology II	. 1
752	Precision Production II	. 2
754	Auto Mechanics III	. 2
755	Construction Trades I	. 2
	Engineering Technologies Lab Technician	
765	Construction Trades II	. 2
771	Architectural Drawing & Design	. 1
772	3D Mechanical Drawing and Design	1⁄2
781	Foundations of Electronics	. 1
782	Video Production	. 1
783	Visual Communications Technology Lab Tech	1⁄2
786	Video Broadcasting	. 2
	Engineering Technologies I	
791	Engineering Technologies II	. 2

The Pennsylvania Department of Education (PDE) has developed a project based assessment system (PBA) that is aligned with the modules for each Algebra I, Biology, and Literature Keystone Exam for students who are unable to demonstrate proficiency on a Keystone Exam or Keystone Exam module. Successful completion of a PBA aligned to the Keystone Exam or Keystone Exam module on which a student did not demonstrate proficiency shall satisfy the Chapter 4 Keystone Exam graduation requirements. (Note: This requirement applies to students in the class of 2020 and beyond.) School administration reserves the right to determine eligibility for this course.

goals. The class will be divided into three units: post-secondary education/training, employment and independent living. Services and activities will be designed to meet the needs of each student.



Since our Art Department offers a variety of half-credit and full-credit courses that are designed to meet the needs and interests of all students, we encourage each student to select an art course at least once during his/her high school career. Some courses require prerequisites. Please refer to course descriptions.

INTRODUCTION TO CERAMICS------ 1/2 CREDIT This course is intended for students studying ceramics for the first time and is a comprehensive introduction to the craft of clay working. This course is primarily a studio class, which means we will spend the majority of our time involved in the creative process (making things). In order to augment creative production and discover how the creative process works, we will also be spending time learning techniques, watching demonstrations, reading, discussing, viewing PowerPoints, and critiquing our work. (No prerequisite needed. Open to freshmen and sophomores)

ART FOUNDATIONS ------ 1 CREDIT

This course is for students who are interested in learning how to draw from life experiences. Designed for first year art students, this course will cover drawing techniques in pencil, charcoal and pastel. Students will learn how to shade using highlights and shadows and use the grid method for certain projects. Other forms of art will be studied as well. There will be sketchbook assignments and independent projects along with daily in-class projects. This course is for students who love art and want to learn more. This one-credit course is a prerequisite for all other art courses, with the exception of 920-Introduction to Ceramics.

STUDIO ART I------ 1 CREDIT

This full-credit course is available to students who have successfully completed Art Foundations. Students who sign up for Studio Art I will experience a continued, yet more intense, study of art. This course has been designed to help students strengthen their basic drawing skills, and further challenge them with a variety of two- and three-dimensional media. Aesthetics, art appreciation and color theory will also be studied. [Prerequisite: 935-Art Foundations]

CERAMICS I ------ ¹/₂ CREDIT This course is intended for students who have completed a comprehensive introduction to the craft of clay working. Ceramics I is designed to enhance the skills that were previously learned in Introduction to Ceramics. This course is primarily a studio class, which means we will spend the majority of our time involved in the creative process (making things). In order to augment creative production and discover how the creative process works, we will also be spending time learning techniques, watching demonstrations, reading, discussing, viewing PowerPoints, and critiquing our work. [Prerequisite: **920-Introduction to Ceramics.** Open to sophomores and juniors]

CERAMICS II------ ¹/₂ CREDIT This course is geared to the student who is motivated to undertake very ambitious work in clay and further their understanding of ceramic art as a means of artistic expression. Ceramics II is intended as an opportunity for continued growth in art involving clay as a primary medium. This course is primarily a studio class, which means we will spend the

majority of our time involved in the creative process (making things). In order to augment creative production and discover how the creative process works, we will also be spending time learning techniques, watching demonstrations, reading, discussing, viewing PowerPoints, and critiquing our work. [Prerequisites: 920-Intro to Ceramics and 943-Ceramics I. Open to juniors and seniors]

WATERCOLOR PAINTING------ ¹/₂ CREDIT

This course will study various techniques in watercolor painting such as flat washes, wet on wet, blended washes, and dry brushing. The students are required to take ART FOUNDATIONS before taking this course to allow the concentration to stay primarily on painting and not on drawing skills. The projects will include landscapes, portraits, and still life paintings. [Prerequisites: 935-Art Foundations. Open to sophomores, juniors, and seniors]

MIXED MEDIA DESIGN ------ 1/2 CREDIT This course will study various forms of Mixed Media through the use of collage material such as paper, felt, wood, plastic, and metal. The students will learn how to incorporate photo transfers and photo lifts into their artwork. Issues of craftsmanship as well as narrative and formal content will be addressed. Students will be encouraged to investigate and experiment the physical and aesthetic possibilities and limitations of a range of media and materials. This course will also include the study of famous mixed media artists. [Prerequisites: 935-Art Foundations. Open to sophomores, juniors, and seniors]

STUDIO ART II ------ 1 CREDIT This course is open to all students who have taken 935-Art Foundations and 940-Studio Art I. The curriculum will cover various media, such as acrylic and colored pencil. The students will sharpen their skills in drawing, painting, and various mixed media techniques. This course is suited for students planning to pursue art as a career as well as students who enjoy art as a hobby. [Prerequisites: 935-Art Foundations and 940-Studio Art I]

THREE-DIMENSIONAL DESIGN ------ ¹/₂ CREDIT Three-Dimensional Design seeks to expand your understanding of design theory as it relates to the Three Dimensional World. This course will emphasize the making of 3-D Design through additive and subtractive processes as an ongoing endeavor, involving the student in informed critical and creative decision making. We will examine the function of space, volume, mass, plane, and line. Sculptural issues will be explored through the solution of design problems. This course will cover a wide variety of three-dimensional works. Wood, cardboard, plastic, metal, plaster, paper and wire will be used to create different design pieces. The emphasis will be on sculpture and painting techniques. [Prerequisite: 935-Art Foundations]

STUDIO ART III ------1 CREDIT This course is designed for students who wish to continue their study of art, but do not wish to pursue art as a career. Students will complete numerous two- and three-dimensional studio pieces while developing distinct individual styles. Emphasis will be placed on developing displays for the annual art exhibit. [Prerequisites: 935-Art Foundations, 940-Studio Art I, and 950-Studio Art II]

963 ADVANCED STUDIO ART ------ 2 CREDITS Advanced Studio Art is a seller Advanced Studio Art is a college preparation course for the gifted art student who plans to pursue art as a career. The

course is designed to provide students with ample opportunities to develop their creative potential in various media, as well as their understanding of visual communication and appreciation. The course work in the first semester is devoted to preparing a college entrance portfolio. During the second semester, along with continued instruction in a variety of media, each student will complete numerous two-and three-dimensional studio pieces while developing distinct individual styles. Emphasis will be placed on developing senior displays for the annual art exhibit. [Prerequisites: 935-Art Foundations, 940-Studio Art I, and 950-Studio Art II] {Summer work is required. Student must have a grade point average of 90 or higher in ART}



-BUSINESS DEPARTMENT-

In today's world, technology is everywhere and affects everyone. Therefore, the business curriculum offers a variety of courses which enable students to get a job and/or to become better prepared to survive as consumers and citizens.

- **648 COMPUTER APPLICATIONS-MICROSOFT POWERPOINT/EXCEL** ------- 1 CREDIT This course is designed to develop proficiency in both Microsoft PowerPoint and Microsoft Excel. In the first half of the school year, students will learn how to make powerful and effective presentations though the use of basic and advanced PowerPoint applications. The second half of this course is devoted to learning the basic and advanced functions that are available in Microsoft Excel. The topics covered in this portion of the course include working with and formatting Excel worksheets, understanding functions, creating formulas, absolute cell referencing, and what-if analysis.

At the conclusion of this course, interested students will be able to take the Microsoft Specialist (MOS) certification test (Basic level). This is a test recognized internationally by employers. This course is required for all students enrolled in the Office Management sequence of the Business & Technology career pathway. (Open to all grades)

655 MARKETING ------ 1 CREDIT Marketing provides an introduction to the theory and a second s Marketing provides an introduction to the theory and practice of marketing and explains the core functions of marketing. Topics such as economics, business and international marketing, selling, and promotion will be discussed in this course.

ACCOUNTING II ------ 1 CREDIT journals, sales tax, uncollectible accounts, depreciation, partnership, and corporation accounting. A simulation set is completed in this course. [Prerequisite: 651-Accounting I] (Accounting II can serve as a math credit as long as it is beyond the minimum 3 credit math requirement)

BUSINESS COMMUNICATIONS & PROCEDURES ------ 1 CREDIT 664 In this one-credit course for juniors and seniors, the focus will be on developing effective oral and written communication skills, as well as a focus on customer service, files, management and answering telephones properly. An integral part of the course is the career unit in which students prepare their resumes and letters of application, complete job application forms, and participate in mock interviews. Students will also complete various Internet-related projects, slide presentations, etc. These activities are aimed at preparing students for the world of work and/or postsecondary education.

This course is taken in conjunction with cooperative education/work experience. This course is designed to develop and improve students' attitudes on the job, knowledge level, and employability skills. There will be an emphasis on real-world work situations which will help prepare the student for the rapidly changing workplace. Career readiness standards will be addressed.

SENIOR PROJECT

To meet the Graduation Project requirements to obtain a diploma from the Western Wayne School District, students must showcase their abilities in a particular area, using their academic and creative abilities in a crosscurricular manner. Students are encouraged to complete a career-based project that will allow them to better understand the skills they may be using in the future. See your English teacher or Senior Project Coordinator for details.

ENGLISH DEPARTMENT

The English Department offers a varied program in all areas of communication skills, with special attention to research, writing skills, and literature. Course content focuses on research and problem-solving skills. Four credits of English are required for graduation.

165 ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION ------- 1 CREDIT The AP Literature course emphasizes the study of literature from various genres (poetry, short story, novel, and drama) and periods, concentrating on works of recognized literary merit. A work's structure, style and themes, as well as literary conventions such as the use of figurative language, imagery, symbolism, and tone are studied. Frequent writing will emphasize the student's ability to understand, explain, and evaluate a literary work. Readings will include works by British and American writers from the sixteenth century to contemporary times. Summer reading and writing assignments are required. This course prepares students to take the national AP Exam in May, which may result in students earning college credit. More details are available in the AP pamphlet available from the Guidance Department. [Open to seniors who have passed AP English Language; recommended prerequisites: 90+ average in English courses, PSAT or SAT Reading & Writing score of 500+, self-discipline and motivation].

FAMILY AND CONSUMER SCIENCE DEPARTMENT

Family and Consumer Science courses will introduce our students to a gainful and useful background in various aspects of life, including the physical, social, and economical aspects of everyday living.

821 NUTRITION & WELLNESS ------- 1 CREDIT This course is designed to help students understand and value the importance of wellness and its components through lifetime nutrition and exercise choices. The course is a personal reflection of their current health practices with further education for future change. This class is taught as an applied science with both lecture and lab formats. The students will be researching and preparing both written and oral papers and presentations. The class is helpful for students preparing to study in the medical field or athletic training beyond high school. This course is not a cooking class. Students should have an Honors or AP Science class prior to taking this course. (Open to juniors and seniors only)

062	FASHION I
003	This course is designed to provide and introduce the students to the fashion world. Students will be exploring
	fashion designers, fashion design portfolios, fabric identification and use, fashion marketing, introduction to
	fashion illustration, textile industry and apparel. Detailed commercial patterns and accessories will be used as
	well as an introduction to self-designed draped patterns. Participation in Western Wayne Art Show, Project
	Runway and Scholastics. [Prerequisite: 833-Introduction to Sewing, 843-Textile and Design] (Open to juniors and seniors only)
061	FASHION II1 CREDIT
004	FASHION II 1 CREDIT This course is a senior level course designed to examine a more in depth study of the textile and apparel industry,
	clothing construction and fashion, pattern draping and fashion merchandising. Students will complete more complex sewing, design their own clothing line, develop patterns with more extensive pattern draping, further

FOREIGN LANGUAGE DEPARTMENT -

The Foreign Language Department strives to instill in each student an appreciation for and awareness of the language, history, mores, and customs of other countries.

MATHEMATICS DEPARTMENT

Success in a high school mathematics course requires, among other factors, a proficiency in basic math, and the proper background in mathematical concepts. Many of the courses offered build upon previously-learned material and, therefore, have one or more prerequisites.

A student who wants to take more than one mathematics credit in a year is urged to discuss the possibilities with his or her guidance counselor and mathematics teacher.

Three (3) credits in mathematics are required for graduation. Accounting I & II cannot be used for these 3 credits. Accounting I and II will be counted as additional math credits beyond the required 3 for graduation.

Starting with the Class of 2022, the Algebra Keystone Exam must be passed in order to graduate.

A A A Abbried Geometry ------ 1 Credit

This course covers the main topics seen in Geometry. Such topics include: angle relationships, perpendicular and parallel lines and congruent and similar polygons. [Prerequisites: Algebra A, Algebra B, and teacher recommendation]

450 PRE-CALCULUS
451-Algebra II] 450A PRE-CALCULUS HONORS
451 ALGEBRA II
453 STATISTICS
460 CALCULUS
461 TRIGONOMETRY & ADVANCED ALGEBRA
465 ADVANCED PLACEMENT CALCULUS
970 ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES

970 AP Computer Science Principles is designed to be the equivalent to a first semester introductory college computing course. In this course, students will develop computational thinking vital for success across all disciplines. Students will use computational tools to analyze and study data. Students will apply creative processes to create computational artifacts and are encouraged to think creatively while using computer software. [Prerequisite: Successful completion of **431-Algebra I**]

MUSIC DEPARTMENT

The Music Department offers several exciting performing groups. Special ensembles such as Jazz Band, Select Chorus, and others will be offered to members of the ensemble classes Band and Chorus. All instrumental ensembles are outgrowths of the basic course in playing techniques called Band. All vocal ensembles are outgrowths of the basic course in vocal technique called Chorus. Anyone considering a career in the musical arts should take both instrumental and vocal training.

The Band program at Western Wayne has come to be known as one of the finest in Northeast Pennsylvania, having great success over the last 25 years.

Within the Band program there are multiple ensembles such as Concert Band, Marching Band ("The PRIDE of Western Wayne"), Jazz Band, Brass and Woodwind Ensembles. **Band Class** is the backbone of the instrumental music program and rehearses during the scheduled **Band** period. All students in **Band** class are automatically accepted as members of the Concert and Marching Bands. Selection to Jazz Band, Brass and Woodwind Ensembles and other special performing groups will be established by the Band Director.

The Band performs in two formal concerts annually. These are traditionally a holiday concert and a spring concert. The Band also performs for special school functions, such as assemblies, graduation and pep rallies. The Band performs at football games and in parades, cavalcades and community events. Transportation costs associated with all away football games and up to 5 (five) community events will be the responsibility of the District; travel costs for other band events is subject to transportation funding rules, whatever they may be at the time. An annual schedule of performances will be provided to students and their families on the WWBAND website and in print if requested. Additional performances may be added during the year but students will be given notice of performances well in advance or they will not be expected to perform.

Performance and Rehearsal Schedule and Requirements for Band Class.

- 1. The marching band will rehearse after school one day a week and also the day of any Friday football game. All rehearsals are considered part of the class participation grade. WW Varsity Sports students will be excused from these rehearsals early to allow students to participate in both the Band and sports.
- 2. All performances are graded and will be treated as tests. As such, a student will have the opportunity to make up any missed performance by completion of a test or assignment assigned by the band director. This make up will only be offered if the absence is excusable by school attendance policy.

927 Students planning a career in music are encouraged to take chorus. Chorus provides an opportunity to sing without the pressure of performing alone. Students will work as a group to develop Vocal Music for various performances. Advanced vocalist that enjoy to compete, are encouraged to audition for PMEA festivals where qualifying students have an opportunity to perform with various students from other school districts.

<u>Performance Requirements</u> The Chorus will perform in two formal concerts annually, a traditional holiday performance and a spring performance. Other performance opportunities include small ensembles, vocal solo work (student choice), as well as special school functions and community services.

<u>Concert Attire</u> The attire for the chorus is a formal attire of black and white. Solid White Dress Shirt with a Collar & Sleeves, Solid Black Pants/Skirt (Skirts should fall between the ankle & knee or floor length), and Solid Black Shoes

O THEATER ARTS ------- ¹/₂ CREDIT

- This course studies several aspects of theater arts, including:
 - 1. Intermediate acting, movement, and vocal techniques
 - 2. History of the theater and its cultural purposes
 - 3. Anatomy of a production and

4. Understanding of theater as students will explore basic acting skills including pantomime and improvisation, create and perform plays, and critique performances.

The purpose of this year long, repeatable course is to give the student an increased appreciation of an additional experience in theater as an art form. Students taking the course for a 2nd, 3rd, or 4th year will review previous aspects of theater arts and will be offered more intensive and highly individualized instruction in acting, with rigorous, performance-oriented training in singing and acting techniques, with a secondary emphasis on dance. Students continuing training in theater arts will also be offered a study of stage technology and theatrical design. This course has been crafted for the beginning theater art student or the student who is seriously interested in pursuing the theatrical arts as a major or minor at the university level. (Open to all)

Performance Requirements – Students are required to perform in a formal theatrical production during the school year. (School Production or Community Production)

STAGE CREW------ ¹/₂ CREDIT . This is an introductory course for students interested in the technical aspect of theater. Units of study include: Safety, Professionalism, Theater Electricity, Lighting Design, Sound Design, and Basics of Theater. This course requires after school hours as part of the student's grade. (Open to students in grades 9, 10, 11, and 12 with teacher approval.

MUSIC THEORY I ------ ¹/₂ CREDIT

Music Theory I is offered to all students with basic music skills. This course will explore the foundational elements for writing music, including but not limited to: Music Notation, Music Terms, ear training/dictation, sight singing, improvisation, and composition. [Experience on an instrument or voice, as well as, basic notereading skills are required.]

MUSIC THEORY II ------ ½ CREDIT

Music Theory II is offered to all students who have completed Music Theory I or who have passed a proficiency exam with the teacher. This class will explore advanced written music notation, music terms, scale structure, ear training/dictation, sign singing, and composition. [Experience on an instrument or voice, as well as, basic notereading skills are required.] [Prerequisite: 971-Music Theory I or teacher permission]

MUSIC THEORY III------ ¹/₂ CREDIT Music Theory III is offered to all students who have completed Music Theory II or who have passed a proficiency exam with the teacher. This course will explore advanced written harmony, keyboard harmony, ear training/dictation, sight singing, Chord Structure, music forms and composition. All students will be required to write an arrangement suitable for performance. [Experience on an instrument or voice, as well as, basic note-

reading skills are required.] [Prerequisite: 971-Music Theory II or teacher permission]

ELECTIVE GREDIT

The Western Wayne School District has an agreement with the local fire companies to provide elective credit for the following courses sponsored by the fire companies:

- 1. Firefighting I
- 2. Emergency Medical Technician

The following criteria must be met for this elective credit to be awarded:

- 1. Proof of membership in the fire company
- 2. Description of their course
- 3. Number of hours of instruction
- 4. Copy of certificate of completion

Upon receipt of this information, one elective credit per course will be entered on the student's transcript with an indication of a "P" (passing) grade. This grade will not be part of the computed grade point average.

PHYSICAL EDUCATION DEPARTMENT-

The objective of the Physical Education curriculum is to provide the student with skills and knowledge for active participation in and enjoyment of physical activity. We believe that physical education should prepare our students for a healthy lifestyle with the knowledge of wellness, fitness, and physical activity. Our program emphasizes an understanding of the reasons why it is physiologically important to maintain a healthy body. Activities include team sports, lifetime sports, rhythmic, and personal fitness.

ADAPTIVE GYM ------ ½ CREDIT

• Adaptive physical education is designed for the student with limitations due to developmental concerns, medical conditions, or injuries. More individualized programs will be implemented so as to better utilize activity in meeting the needs of the student. Basic skills, lead-up activities, and small group dynamics will be emphasized.

Areas to be studied throughout the school year include:

- Introduction to Health
- First Aid and CPR
- Non-communicable Diseases
- Nutrition and Digestive System
- Reproductive Health
- Communicable Diseases
- Physical Activity, Stress, Muscular System and the Skeletal System
- Substance

CPR Certification:

All health education students will have the opportunity to earn their adult, child and infant CPR certification through The American Safety and Health Institute (ASHI). ASHI is an association of professional safety and health educators providing nationally-recognized training program across the United States and in several foreign countries. ASHI's mission is to continually improve safety and health education by promoting high standards for members, principles of sound research for curriculum development, and the professional development of safety and health instructors worldwide.

Current Events:

The health education field is ever changing. It is very important for students to be aware of the most current health trends and issues. Several class periods throughout the school year will be devoted to current health topics.

SCIENCE DEPARTMENT

The science courses described below have been designed to meet the needs of a diverse student population – collegebound, career-bound, or domestic-bound. Students should be able to find success in one of the career paths available to them. Outstanding student performance can be converted to college credit through an Advanced Placement Chemistry, Advanced Placement Biology, or Advanced Placement Physics course.

including atomic structure, quantum mechanics, bonding, behavior of gases, chemical reactions, and an understanding of the "mole" concept. This course has a strong emphasis on the application of mathematical concepts in a scientific setting. Students will learn how to utilize the scientific method coupled with dimensional analysis to solve scientific problems. At the end of the course, students should be creative and competent problem solvers. [Prerequisite: 431-Algebra I, 441-Geometry or 430-Geometry Honors (may be taken simultaneously), 541-Inquiry Biology w/Lab, 541A-Inquiry Biology w/Lab Honors, or 542-Applied Biology, with a grade of 85% or better: 541A-Inquiry Biology w/Lab Honors, or 541-Inquiry Biology w/Lab may be taken simultaneously]

CHEMISTRY I W/LAB HONORS ------ 11/2 CREDITS and sciences. This course provides students with in-depth detail of such concepts as matter, atomic structure, quantum mechanics, bonding theory, chemical equations, the periodic table, nomenclature, and the "mole concept". This class will challenge the student with process and inquiry skills inherent in the study of science. This class will include lecture, as well as, a hands-on laboratory component. Students will be required to maintain a scientific notebook. Students wishing to take 565-AP Chemistry must take this course. Summer work will be required. [Prerequisites: Successful completion of 421-Algebra I, with a minimum of 85% or better, 441-Geometry or 430-Geometry Honors (may be taken simultaneously); 541-Inquiry Biology w/Lab or 541A-Inquiry Biology w/Lab Honors may be taken simultaneously. Students must pass the Biology Keystone Exam and the Algebra Keystone exam if they have taken these courses.]

properties, chemical structure, compounds, equations, and reactions. This course introduces students to the basic concepts of chemistry such as the mole, molar mass, and Avogadro's number. Teacher demonstrations, student laboratories, and student-centered activities are regular parts of the instruction. The course is aimed at providing the student with information, scientific principles, applications, and investigations. It is specifically geared toward non-science/non-math majors. Students who have taken or are taking 551-Chemistry w/Lab or 551A-Chemistry w/Lab Honors cannot take this course.

This course is designed for college-bound students planning to pursue careers in any of the health-related fields. Students will study the structure and function of human biological systems, the basic chemistry of the human body and cell structure. The course will examine body systems in detail. Offered to 11th or 12th grade students with teacher recommendation. May be taken by 10th grade students who are taking AP Biology simultaneously. [Prerequisite: Successful completion of 541-Inquiry Biology or 541A-Inquiry Biology w/Lab Honors or 542-Applied Biology, with a grade of 85% or better and a Proficient or Advanced score on the Biology Keystone Exam.]

ANATOMY & PHYSIOLOGY W/LAB HONORS------1 CREDIT **506** This accelerated course is designed for college-bound students planning to pursue careers in the medical field. This course will be taught at a collegiate level with significant independent work. Students will study the structure and function of human biological systems focusing on the advanced cellular biology that supports each system. The course will examine body systems in detail with a focus on physiology at each level of organization. Dissection and laboratory practical examinations will be emphasized. Summer work may be required. Offered to 11th or 12th grade students with current science teacher recommendation. [Prerequisite: Successful completion of 541-Inquiry Biology 541A-Inquiry Biology w/Lab Honors, with a grade of 90% or better and an advanced score on the Biology Keystone. Successful completion of 551-Chemistry I w/Lab or 551A- Chemistry I w/Lab Honors with an 85% or better. 551-Chemistry I w/Lab or 551A-Chemistry I w/Lab Honors may be taken concurrently with this course.]

BIOLOGY LAB TECHNICIAN ------ 1/2 CREDIT

This is an independent study course in which students are responsible for laboratory preparations. Students will need knowledge of basic biology and chemistry and will need to be able to implement all laboratory safety rules. A thorough biology and chemistry vocabulary and understanding of biology concepts are required. Students may be required to tutor biology with lab students, prepare different reagents, and identify and locate different glassware and equipment. Students will need to be responsible, self-motivated, and be able to follow written instructions. Students must be taking a science concurrently with being a laboratory technician. [Prerequisites: 541-Inquiry Biology with Lab or 541A-Inquiry Biology w/Lab Honors; Biology teacher approval; student must have received at least a grade of 85% in 541-Inquiry Biology w/Lab or 541A-Inquiry Biology w/Lab Honors. Students must score Proficient or Advanced on the Biology Keystone Exam. Students may be asked to complete an independent research project.]

OO This is an independent study course in which students are responsible for laboratory preparations. Students will need a basic knowledge of biological and ecological concepts and be able to implement all laboratory safety rules. Students may be required to tutor General Science and General Keystone Science students, prepare labs and identify and locate all laboratory equipment. Students will need to be responsible, self-motivated and be able to follow written instruction. [Prerequisites: General Science Teacher approval. Completion of 531 General Science with a grade of 85% or higher. Students may be asked to complete an independent research project.]

PHYSICS LAB TECHNICIAN ------- 1/2 CREDIT This is an independent study course in which students are responsible for laboratory preparations. Students will need knowledge of physics and will need to be able to implement all laboratory safety rules. Students will be responsible for all aspects of laboratory preparations, including safety and proper clean-up. Students will need to be responsible, self-motivated, and be able to follow written instruction. Students may be asked to complete an independent research project. [Physics teacher approval required.]

ADVANCED PLACEMENT PHYSICS 1: ALGEBRA-BASED------ 11/2 CREDIT This course is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy and power; mechanical waves and sound. It will also introduce electric circuits. Summer work is required. You must have a 90% or higher in this course to be eligible to take the AP exam. [Prerequisites: A grade of 90% or better in 431-Algebra I and 441-Geometry or 430-Geometry Honors, 531-General Science 9 and 541-Inquiry Biology w/Lab or 541A Inquiry Biology w/Lab Honors] 450-Pre-Calculus or 450A-Pre-Calculus Honors (must be taken simultaneously). Students must pass the Biology Keystone Exam and the Algebra Keystone Exam.

ADVANCED PLACEMENT PHYSICS 2: ALGEBRA-BASED------ 11/2 CREDIT This course is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics, atomics and nuclear physics. Summer work is required. You must have a 90% or higher in this course to be eligible to take the AP exam. [Prerequisites: A grade of 90% or better in 570-AP Physics 1: Algebra-Based; 431-Algebra I and 441-Geometry or 430-Geometry Honors] 460-Calculus or 461-AP Calculus (must be taken simultaneously). Students must pass the Biology Keystone Exam and the Algebra Keystone Exam.

SOCIAL STUDIES DEPARTMENT.

The Social Studies Department offers a multi-cultural program in all areas of social studies including history, political science, economics, psychology, and geography. Four credits of Social Studies are required for graduation. Students are expected to become proficient in critical thinking and analysis, and to develop a better understanding of the world around them.

755 ADVANCED PLACEMENT WORLD HISTORY ------ 1 CREDIT

This one-credit course is designed for Advanced Placement juniors seeking college credit in the area of world history. This course is a rigorous, challenging, accelerated study in the following areas: change and continuity from 8,000 BCE to the present; impact of interaction among and within major societies; impact of technology, economics, and demographics on people and the environment; cultural, religious, and intellectual developments among and within societies; and changes in functions and structures of states. [Prerequisite: Minimum 90% average in previous social studies course with teacher recommendation. Required summer work will be assigned.]

265 ADVANCED PLACEMENT UNITED STATES GOVERNMENT & POLITICS ------ 1 CREDIT This one credit course is designed for senior Advanced Placement students seeking college credit in the area of United States government. Emphasis is placed on an intensive investigation and thorough understanding of the functioning of our national government, its constitutional foundations, civil liberties and civil rights, as well as the role of political parties and interests groups in our society. Students may take the AP United States Government and Politics exam. [Prerequisite: Social Studies Department recommendation. Required summer work will be assigned.]

------ TECHNOLOGY & ENGINEERING DEPARTMENT ------

Technology and engineering courses are available to all students on an elective basis. The courses are designed to allow the student to investigate the various areas in STEM (Science, Technology, Engineering, and Mathematics) along with the industrial field with experiences in woodworking, metalworking, graphic processes, building trades, computer-aided drafting, engineering, video production, electrical concepts, robotics, computer-aided machining, and auto mechanics. This includes core academic concepts and computer experiences relative to the trade area throughout the curriculum. The department suggests that students planning careers in this area should follow the career pathways outlined in this book. Students interested in the engineering fields of study, should follow the engineering pathway recommendation(s) along with high level math and science courses including physics and statistics. If students fail a particular course, students will be required to take a year out of that area and reconsider their options.

(Recommended Metal Technology course(s), 3D Mechanical Drawing, and Design, and Algebra)

develop and design projects in industry standard software systems of 3-D mechanical shapes, machines, and systems. Three-dimensional drawing (3-D) will be emphasized as it relates to mechanical applications.

simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices [Prerequisite: **431-Algebra I completed**, 9-12 Limited seating]

course is an introduction to television studio and field production. The course will acquaint students with the technical and aesthetic concepts involved in successful studio and field production. Students will develop skills through a series of in-class and limited after-class exercises. The course will also require the students to capture, develop, orchestrate, operate, and deliver video mediums within the high school domain. [Prerequisite: 723-**Visual Communications I:** Limited seating available; open to grades 11-12]

that can include but are not limited to laboratory preparation and clean-up, as well as assisting with projects, assignments, and tutoring. Students must be self-motivated, responsible and organized. [Prerequisites: Successful completion of either 723-Visual Communications I and 733-Visual Communications II or 720-Photography or 782-Video Production and 786-Video Broadcasting, with a minimum grade of 85%. Students will be asked to complete an independent research and/or production project. Appropriate Technology and Engineering department teacher approval.]

VIDEO BROADCASTING ------ 2 CREDITS **86** This course provides a more comprehensive overview of the techniques, editing, and producing of video mediums. This course is a continuation of television studio and field production. The course will acquaint students with the technical and aesthetic in-class and limited after-class exercises. The course will also require the students to capture, develop, orchestrate, operate, and deliver an in-house news medium within the high school domain. [Prerequisite: 723-Visual Communications I; 782-Video Production; limited seating; open to grades 10-12]

will be challenged by completing projects which relate to safety, teamwork, ethics and problem-solving, engineering graphics (drafting/drawings) with modeling and design processes, manufacturing and industrial systems, manufacturing processes, CAM (Computer-Aided Manufacturing), 3D printing, additive manufacturing, materials, power systems including green energy, quality control, and basic electricity and electronics. (Recommended 3D Mechanical Drawing and Design and Foundation of Electronics course(s) and Advanced Mathematics/Sciences)

ENGINEERING TECHNOLOGIES II ------ 2 CREDITS 791 This course furthers the capstone experiences of the engineering technologies. Projects and theory related to safety, teamwork, ethics and problem-solving, engineering graphics (drafting/drawings) with modeling and design processes, manufacturing and industrial systems, manufacturing processes, CAM (Computer-Aided Manufacturing), 3D printing, additive manufacturing, materials, power systems including green energy, quality control, and basic electricity and electronics. (Recommended 3D Mechanical Drawing and Design and Foundation of Electronics course(s) and Advanced Mathematics/Sciences)

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MATH/SCIENCE CAREER PATH

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SOCIAL STUDIES	230 230A	Amer. Cult. II Amer. Cult. II HR	1 1	240 240A	Amer. Cult. III AP US History	1 1	250 255	World Cult. AP World History	1 1	260 265	Select One: Am. Gov/Economics AP US Government	1 1
MATH	431 430 441A	Select One: Algebra I Geometry HR Geometry	1 1 1	441 440 451	Select One: Geometry Algebra II HR Algebra II	1 1 1	451 450 450A 453 461	Select One: Algebra II Pre Calculus Pre-Calculus HR Statistics Trig. & Adv. Algebra	1 1 1 1 1	461 453 460 465	Select One: Trig. & Adv. Algebra Statistics Calculus AP Calculus	1 1 1 1
SCIENCE Option #1	531	Gen. Science 9	1	541 541A	Inq. Biology w/Lab or Inq. Biology w/Lab H (Biology required if not taken in 9 th grade)	1 ¹ / ₂ 1 ¹ / ₂	551 551A 563	Chemistry w/Lab or Chemistry w/Lab HR or AP Bio w/Lab	1 ¹ /2 1 ¹ /2 1 ¹ /2	563 561 570 571	Select One: AP Biology w/Lab Physics w/Lab AP Physics 1:AlgBased AP Physics 2:Alg-Based	$ \begin{array}{c} 1 \frac{1}{2} \\ 1 \frac{1}{2} \\ 1 \frac{1}{2} \\ 1 \frac{1}{2} \\ 1 \frac{1}{2} \end{array} $
Option #2	541A	Inq. Bio. w/Lab HR	1 1/2	551 551A 563	Chem. w/Lab or Chem. w/Lab HR and/or AP Biology w/Lab	1 ¹ /2 1 ¹ /2 1 ¹ /2	565 561 570	AP Chem. w/Lab and Physics w/Lab or AP Physics 1:AlgBased	1 ¹ /2 1 ¹ /2 1 ¹ /2	565	Chemistry w/Lab	1 1⁄2
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ARTS/HUMANITIES CAREER PATH

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SOCIAL STUDIES	230 230A	Amer. Cult. II Amer. Cult. II HR	1 1	240 240A	Amer. Cult. III AP US History	1 1	250 255	World Cult. AP World History	1 1	260 265	Select One: Am. Gov/Economics AP US Government	1
MATH	432 431 430 441A	Select One: Algebra A Algebra I Geometry HR Geometry	1 1 1	431 442 441 440 443 451	Select One: Algebra I Algebra B Geometry Algebra II HR Applied Geometry Algebra II	1 1 1 1 1	441 443 450 451 453 450A 461	Select One: Geometry Applied Geometry Pre Calculus Algebra II Statistics Pre-Calculus HR Trig. & Adv. Algebra	1 1 1 1 1 1	Fo	r Math selections see course descriptions.	2
SCIENCE	531	Gen. Science 9	1	541	Inq. Biology w/Lab or	1 1⁄2	551 551A	Chemistry w/Lab or Chemistry w/Lab HR	1 ¹ ⁄2 1 ¹ ⁄2	For	Science selection see course descriptions.	е
Option #1				541A	Inq. Bio. w/ Lab HR or	1 1⁄2	552	or Applied Chemistry w/Lab	1			
				542	Applied Bio. w/Lab (Biology required if not taken in 9 th grade)	1	563	or AP Bio w/Lab	1 1⁄2			
Option #2	541A	Inq. Bio. w/Lab HR	1 ¹ / ₂ 1 ¹ / ₂	551 551A	Chem. w/Lab or Chem. w/Lab HR	1 ¹ ⁄2 1 ¹ ⁄2	565 561	AP Chem. w/Lab and Physics w/Lab	1 ½ 1 ½			
				563	and/or AP Biology w/Lab	1 1⁄2	570	or AP Physics 1:AlgBased	1 1⁄2			
		C	OTHER	SCIENCE	E OPTIONS SHOULD BE DI	SCUSS.	ED WITH	GUIDANCE AND THE SCIENC	CE DEPA	ARTMENT	7	
LANGUAGE	330 331 332 341A	French I Spanish I German I Spanish II	1 1 1 1	333 340 341 351	German II French II Spanish II Spanish III	1 1 1 1	Stude	nts may select credits as elect	tives.	Student	s may select credits as electi	ives.
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OTHER				825 101	Career & Consumer Skills Transitions *For students w/Transition Goals	1/2 1/2	52	Health	1/2			

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SOCIAL STUDIES	230 230A	Amer. Cult. II Amer. Cult. II HR	1 1	240 240A	Amer. Cult. III AP US History	1 1	250 255	World Cult. AP World History	1 1	260 265	Select One: Am. Gov/Economics AP US Government	1
МАТН	432 431 430 441A	Select One: Algebra A Algebra I Geometry HR Geometry	1 1 1 1	431 442 441 440 443 451	Select One: Algebra I Algebra B Geometry Algebra II HR Applied Geometry Algebra II	1 1 1 1 1 1	441 443 451 453 450 461	Select One: Geometry Applied Geometry Algebra II Statistics Pre-Calculus HR Trig. & Adv. Algebra	1 1 1 1 1 1	Fo	• Math selections see course descriptions.	е
SCIENCE	531	Gen. Science 9	1	541 541A 542	Inq. Biology w/Lab or Inq. Bio. w/ Lab HR or Applied Bio. w/Lab (<i>Biology required if</i> not taken in 9 th grade)	1 ¹ /2 1 ¹ /2 1	551 551A 552 563	Chemistry w/Lab or Chemistry w/Lab HR or Applied Chemistry w/Lab or AP Bio w/Lab	1 ¹ / ₂ 1 ¹ / ₂ 1 1 ¹ / ₂	For	Science selection see cours descriptions.	se
Option #2	541A	Inq. Bio. w/Lab HR	1 1⁄2	551 551A 563	Chem. w/Lab or Chem. w/Lab HR and/or AP Biology w/Lab	1 ¹ /2 1 ¹ /2 1 ¹ /2	565 561 570	AP Chem. w/Lab and Physics w/Lab or AP Physics 1:AlgBased	1 ¹ /2 1 ¹ /2 1 ¹ /2			
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PHYS. ED	40 41 99	Boys PE Girls PE Advanced Gym	1/2 1/2 1/2	40 41 99	Boys PE Girls PE Advanced Gym	1/2 1/2 1/2	60 61 99	Boys PE Girls PE Advanced Gym	1/2 1/2 1/2	60 61 99	Boys PE Girls PE Advanced Gym	1/2 1/2 1/2
OTHER				825 101	Career & Consumer Skills Transitions *For students w/Transition Goals	1/2 1/2	52	Health	1⁄2			

ENGINEERING CAREER PATHWAY

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SCIENCE-BASED ENGINEERING (BIOLOGICAL, CHEMICAL, ENVIRONMENTAL, PHYSICAL)	541 A	Inq. Biology Honors	1 1/2	781 563 551 A	Foundations of Electronics & AP Biology &/Or Chemistry Honors	1 1 ½ 1 ½	790 565 570	Engineering Tech. I & AP Chemistry &/Or AP Physics 1	2 1 ½ 1 ½	790 571	Engineering Tech. II & AP Physics 2	2 1 1⁄2
CIVIL ENGINEERING	772	3D Mech. Drawing & Design &/Or Construction & Manufacturing Tech. I	1/2	781	Foundations of Electronics. & Intro. to Metal Tech.	1	790	Engineering Tech. I & Arch. Drawing & Design	2	791	Engineering Tech. II	2
COMPUTER ENGINEERING	975 970	Computer Programming I Or AP Computer Sci. Principles	1	781 976 977	Foundations of Electronics & Computer Programming II Or Computer Programming III	1 1 1	790 977 978 972	Engineering Tech. I & Computer Prog. III Or Computer Prog. IV Or AP Computer Sci. A	2 1 1	791978972	Engineering Tech. II & Computer Programming IV Or AP Computer Sci. A	2 1 1

ART CAREER PATHWAY

SUBJECT												
DESIGN	935 723 835	Art Foundations & Visual Communications I &/or Basic Foods	1 1 1	940 733 940	Studio Art I & Visual Communications II &/or Studio Art I	1 1 1	744 771 733	Studio Art II & Architectural Drawing & Design &/or Visual Communications I	1 1 1	754 772 654	Studio Art III & 3D Mechanical Drawing & Design &/or Entrepreneurship	1 1⁄2 1
FINE ART	935	Art Foundations	1	940 946	Studio Art I & Mixed Media Design	1	744 945	Studio Art II & Watercolor Design	1	963 960	Advanced Studio Art & Three-Dimensional Design	2 1/2
CERAMICS	920	Introduction to Ceramics	1/2	943	Ceramics I	1⁄2	944	Ceramics II	¥⁄2	960	Three-Dimensional Design	1/2

FAMILY & CONSUMER SCIENCE CAREER PATHWAY

SUBJECT #		9 [™] GRADE		#	10 [™] GRADE		#	11 th GRADE		#	12 th GRADE	
	835	Basic Foods &	1	851	Gourmet Foods &	1	840	Culinary Pastry Arts &	1	861	Advanced Cooking &	1
HOSPITALITY & FOOD DESIGN	935	Art Foundations	1	940	Studio Art I	1	733	Visual Communications I	1	654	Entrepreneurship	1
HOSPITALITY & CULINARY	835 723	Basic Foods & Visual Communications I	1	851 642	Gourmet Foods & Introduction to Business	1	840 733	Culinary Pastry Arts & Accounting I	1	861 661	Advanced Cooking & Accounting II	1
FASHION	833 723	Introduction to Sewing & Visual Communications I	1	843 733 935	Textile & Design & Visual Communications II &/Or Art Foundations	1	744 945	Fashion I & Entrepreneurship &/Or Accounting I	1 1 1	864	Fashion II & Marketing	1
CHILD CARE	862 835	Family Development & Basic Foods	1	844 651	Child Development & Accounting I	1	855 654	Early Childhood Education & Entrepreneurship	1	865 655	Early Childhood Education II & Marketing	3

BUSINESS CAREER PATHWAY

SUBJECT #		9 TH GRADE		#	10 TH GRADE		#	11 th GRADE		#	12 th GRADE	
OFFICE MANAGEMENT	640	Computer Applications – Microsoft Word/ Keyboarding & Introduction to Business	1	648	Computer Applications – Microsoft PowerPoint/Excel & Accounting I	1	664	Business Communications & Procedures & Marketing	1	643 654	Business & Personal Law & Entrepreneurship	1
BUSINESS MANAGEMENT & ACCOUNTING	640 642	Computer Applications – Microsoft Word/ Keyboarding & Introduction to Business	1	648	Computer Applications – Microsoft PowerPoint/Excel & Accounting I	1	661	Accounting II & Marketing	1	664	Business Communications & Procedures & Entrepreneurship	1
SCHOOL-TO-WORK EXPERIENCE (Senior Year)											School-to-Work Experience & Dynamics of Work	1-3

TECHNOLOGY CAREER PATHWAY

SUBJECT #		9 TH GRADE		#	10 TH GRADE		#	11 th GRADE		#	12 th GRADE	
AUTOMOTIVE	724	Intro to Auto Tech	1/2	734 781	Auto Mechanics I & Foundations of Electronics	1 1	744 654	Auto Mechanics II & Entrepreneurship	2 1	754 651	Auto Mechanics III & Accounting I	2 1
MANUFACTURING	722	Intro to Metal Tech.	1	732 772	Metal Tech I & 3-D Mechanical Drawing & Design	1 1⁄2	742 654	Precision Production I & Entrepreneurship	2	752 720 651	Precision Production II & CNC Adv. Manufacturing &/or Accounting I	2 1 1
CONSTRUCTION	735 771	Construction & Manufacturing Tech. I & Arch. Drawing & Design	1/2 1/2	745	Construction & Manufacturing Tech. II	1	755 654	Constructions Trades I & Entrepreneurship	2 1	765 651 720	Construction Trades II & CNC Adv. Manufacturing &/or Accounting I I	2 1 1
DRAFTING & DESIGN	772 722	3D Mechanical Drawing & Design & Intro. to Metal Tech.	1/2 1	771 735	Arch. Drawing & Design & Construction & Manufacturing Tech. I	ŀ∕2 ŀ∕2	790 781	Engineering Tech. I & Foundations of Electronics	2	791 720	Engineering Tech. II & CNC Adv. Manufacturing	2
VISUAL COMMUNICATIONS	723 935	Visual Communications I & Art Foundations	1	733782940	Visual Communications II Or Video Production & Studio Art I	1	782 940	Video Production Or Visual Communications II	1	786	Video Broadcasting	2

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Western Wayne School District is an equal opportunity educational institution and will not discriminate on the basis of race, color, national origin, sex, and handicap in its activities, programs, or employment practices as required by Title VI, Title IX, and Section 504.

What are Career Clusters?



The sixteen Career Clusters were developed to relate occupations to broad industries. Within each cluster are several "pathways," which provide a more focused category within the cluster. These are useful to educators, industry groups, employers, parents, and others. Some occupations will occur in more than one cluster or pathway.

Career Clusters prepare all students

for colleges and careers.

Educators helping students learn career management skills can encourage students to explore a range of career options by focusing attention on broad areas (clusters or pathways), rather than specific occupations. Since each cluster includes occupations with a range of skill and training requirements, students can concentrate on groups of occupations most suitable to their individual needs.

Skills and knowledge required for the occupations in each cluster have been identified. This information can be used by educators to help ensure that students are acquiring the qualifications they need for employment and by industry groups and employers to help structure job descriptions and employee training programs. Parents can use cluster information to learn about qualifications and training and to help their children explore career possibilities.



16 USDOE Career Clusters - Brief Descriptions

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	The production, processing, marketing, distribution, financing, and development of agricultural
iculture, Food & Natural Resources	commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.
thitecture & Construction	Careers in designing, planning, managing, building and maintaining the built environment.
A/V Technology Communications	Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.
Administration	Business Management and Administration careers encompass planning, organizing, directing and evaluating business functions essential to efficient and productive business operations. Business Management and Administration career opportunities are available in every sector of the economy.
ducation & Training	Planning, managing and providing education and training services, and related learning support services.
Finance	Planning, services for financial and investment planning, banking, insurance, and business financial management.
Administration	Planning, managing, and providing therapeutic services, diagnostic services, health informatics, support services, and biotechnology research and development.
calth Science	Executing governmental functions to include Governance; National Security; Foreign Service; Planning; Revenue and Taxation; Regulation; and Management and Administration at the local, state, and federal levels.
aspitality & Tourism	Hospitality & Tourism encompasses the management, marketing and operations of restaurants and other foodservices, lodging, attractions, recreation events and travel related services.
man Services	Preparing individuals for employment in career pathways that relate to families and human needs.
in the the technology	Building Linkages in IT Occupations Framework: For Entry Level, Technical, and Professional Careers Related to the Design, Development, Support and Management of Hardware, Software, Multimedia, and Systems Integration Services.
977 .Public Safety, Corrections & Security	Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.
nufacturing	Planning, managing and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance and manufacturing/process engineering.
Sales & Service	Planning, managing, and performing marketing activities to reach organizational objectives.
Sence, Technology, Engineering & Mathematics	Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.
ransportation, Distribution & Logistics	Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment and facility maintenance.

81 Pathways within the 16 USDOE Career Clusters

iculture, Food & Natural Resources	Food Products and Processing Systems; Plant Systems; Animal Systems; Power, Structural & Technical Systems; Natural Resources Systems; Environmental Service Systems and Agribusiness Systems
Construction	Design/Pre-Construction; Construction and Maintenance/Operations
s, A/V Technology	Audio and Video Technology and Film; Printing Technology; Visual Arts; Performing Arts; Journalism and Broadcasting and Telecommunications
Administration	Administration; Management; Business Financial Management & Accounting; Human Resources; Business Analysis; Marketing and Administrative & Information Support
ducation & Training	Administration and Administrative Support; Professional Support Services and Teaching/Training
Finance	Financial & Investment Planning; Business Financial Management; Banking & Related Services and Insurance Services
Administration	Governance; National Security; Foreign Service; Planning; Revenue and Taxation Regulation and Public Management and Administration
alth Science	Therapeutic Services; Diagnostic Services; Health Informatics; Support Services and Biotechnology Research and Development
Spitality & Tourism	Restaurants and Food/Beverage Services; Lodging; Travel & Tourism and Recreation, Amusements & Attractions
man Services	Early Childhood Development & Services; Counseling & Mental Health Services; Family & Community Services; Personal Care Services and Consumer Services
Technology	Network Systems; Information Support and Services; Interactive Media and Programming and Software Development
97 Public Safety, Corrections & Security	Correction Services; Emergency and Fire Management Services; Security & Protective Services; Law Enforcement Services and Legal Services
mufacturing	Production; Manufacturing Production Process Development; Maintenance, Installation & Repair; Quality Assurance; Logistics & Inventory Control and Health, Safety and Environmental Assurance
arketing, Sales & Service	Management and Entrepreneurship; Professional Sales and Marketing; Buying and Merchandising; Marketing Communications and Promotion; Marketing Information Management and Research; Distribution and Logistics and E-Marketing
Engineering & Mathematics	Engineering and Technology and Science and Math
Transportation, Distribution & Logistics	Transportation Operations; Logistics Planning and Management Services; Warehousing and Distribution Center Operations; Facility and Mobile Equipment Maintenance; Transportation Systems/Infrastructure Planning, Management and Regulation; Health, Safety and Environmental Management and Sales and Service

2018-2019 ADMINISTRATION

Matthew Barrett, Ed.D., Superintendent Ellen M. Faliskie, Assistant Superintendent Rose E. Emmett, Business Manager/Board Secretary Paul B. Gregorski, II, High School Principal Kristen Donohue, Middle School Principal/Curriculum Director Justin Pidgeon, EverGreen Principal Maria Miller, Robert D. Wilson Principal Jennifer Bradley, High School Assistant Principal Elizabeth Watson, Middle School Assistant Principal Kerrie Fitzsimmons, Elementary Assistant Principal Cynthia A. LaRosa, Director of Special Education Jennifer DeNike, Assistant Director of Special Education Kristin Johnson, School Psychologist (Elementary) Katie Shemanski, Psy.D., School Psychologist (Middle/High) Elizabeth Gregory, Early Intervention Supervisor Maria Liptak, Food Service Director Brian Seaman, Technology Director Joseph Dunda, Director of Building and Grounds Robert Black, Athletic Director

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