

Spring-Ford High School

Class of 2028



Welcome to the 9th Grade Center

Dr. Di Pietro-Edwards - Spring Ford High School
9th Grade Center Principal

House Office - Class of 2028

Mr. Lawler – House Principal

Mr. Murlless – Counselor (A-L)

Mrs. Beideman – Counselor (M-Z)

Ms. Herron – Guidance Secretary

Ms. Asbert – House Secretary

What's new in High School

Grade Point
Average (GPA)

Transcript

Earned Credits

Mid-Term and
Final Exams

Keystone Exams
– Graduation
Requirement(s)

Honors Classes

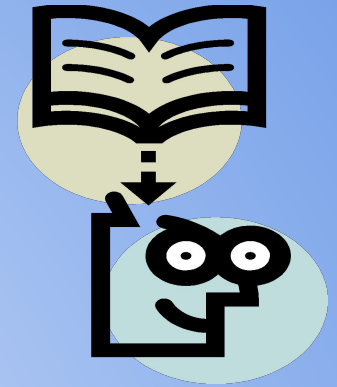


AP (Advanced
Placement)
Class

WMCTC



Important Facts



- Students need 22 credits to graduate
- All classes are included in calculation of GPA
- Midterms and final exams each count as 10% of the final grade
- Extra-Curricular eligibility – students must have a minimum of 70% in at least 4 major subjects
- Summer School – minimum grade of 60% to enroll with no more than 25 days absent

Graduation Requirements

English	History	Math	Science	Electives	Health	P.E.
4	3	3	3	7	.4	1.6



Annual Requirements

English	History	Math	Science	Electives	Minor	P.E.
1	1	1	1	1 or 2	.5 & .5	.4

- 5 major courses/2 minors/P.E.
- 6 major courses/P.E.
- Western Center Students 4 majors/health & PE

Honors Courses

Require:

- Superior ability
- History of advanced achievement in the subject area
- Self-motivation and strong work ethic
- Ability to meet rigorous course expectations
- Teacher recommendation and prerequisites

* Weighted 5% in calculation of GPA for grades above 70% due to extra rigor



Be Realistic!

Qualities of a Learner: Do I have what it takes?

- **Resilience-** *Am I able to overcome setbacks?*
- **Self-Advocacy-** *Do I know when to ask for help?*
- **Time Management-** *Can I organize my time for homework and extracurriculars?*
- **Interest-** *Am I interested in this course?*

Major Classes at 9th Grade Center -live video link

- English

- English 9 *
- English 9 (Honors)*

- History

- US History & the Global World
- US History & the Global World (Honors)
- AP Human Geography

- Math

- Algebra I*
- Honors Geometry
- Honors Algebra II

- Science

- Earth Science
- Earth Science (Honors)
- Biology (Honors)*

*Designates Keystone course

AP Human Geography

- Students will learn how humans interact with the earth and the consequences of those actions.
 - Study patterns and processes that have shaped human understanding, use, and alteration of Earth's surface.
 - Informational Video - <https://youtu.be/ud27BzkBoH8>
 - **Prerequisite:** 95% in the previous year of social studies and teacher recommendation.
- * Weighted 7% in calculation of GPA for grades above 70% due to extra rigor

English Course Selection

Please consult [THIS](#) document when considering Honors English 9 as a major course for 9th grade. It will walk you through the points to think about in making your selection.

Science Course Options

- **Earth Science Academic**
 - **Earth Science Honors** - increased pace and challenge; also involves independent work (reading and taking notes ahead of class)
 - **Biology Honors** - most rigorous and challenging; involves much independent work (reading and taking notes ahead of class) tests more challenging, minimal review in class, be able to work cooperatively with others in class & lab, pace is fast
- *Follow your teacher's recommendation.
- *Most students who struggle are those who override.

Electives for 9th Grade

Art

Business

English

Family and Consumer Science

Music

Technology & Engineering Education

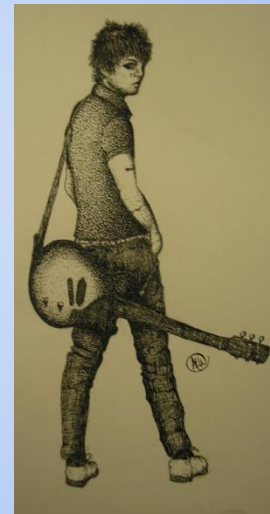
Project Lead The Way - a nationally recognized pre-engineering STEM curriculum focusing on the application of math and science skills.

World Language

Art Electives

Foundations Art I Major

- Starting point for ALL high school art major classes. All ability levels are welcome, beginners will improve and artistic students will be challenged.
- Projects include: Drawing, Ceramics, Silk Screen Printing, Pen & Ink, Pastel Painting, and Color and Design projects.
- Must take in 9th grade if you want to take up to Art IV or AP Studio Art major in high school



Art Electives

Studio Art Basics Minor

- Projects include:
Drawing, Pastel Painting,
Ceramics, Pen & Ink,
Sculpture and Color & Design
projects.



Art Electives

Intro to Ceramics Minor

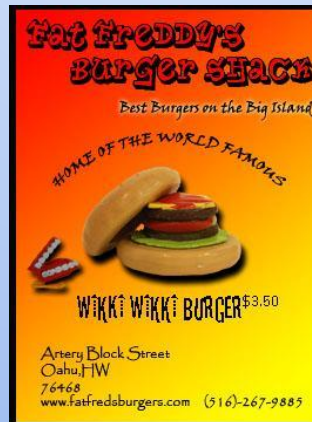
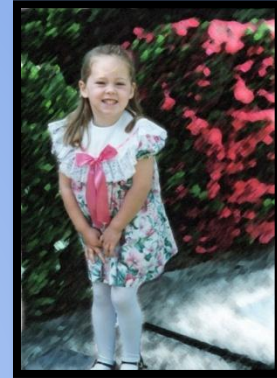
- Coil Pottery
- Slab Construction
- Tile Carving
- Sculpture



Art Electives

Intro to Digital Design

- ½ credit – Minor class
- Digital photography only.
- Course includes camera basics and photo composition, photo manipulation with Photoshop software, design layout and desktop publishing.
- Offered in grades 9 - 12



Business/Technology Electives:

Minors

- Computer Science I (Prerequisite Involved)
 - Introduction to computer hardware and software systems, number systems used in computer systems, and Boolean logic/truth tables. Students introduced to computer programming and design and implement programs using various data types. Prerequisite: Completed Algebra I with at least an 85%, Proficient or Advanced on the Algebra Keystone Exam.
- Introduction to Microsoft Office
 - Gain experience in basic tools of Microsoft Word, Excel, Access, Publisher, and PowerPoint.

Business/Technology Electives

Majors

- Personal Finance
 - Introduction into savings and checking accounts, investing, banking, stocks and many other financial topics.

English Electives



- Public Speaking and Debate
 - Focuses on the key elements and best practices of public speaking.
- Media Exploration
 - Explore various types of writing for the mass media including news stories, feature articles, critical reviews, television broadcasts, advertising, public relations, and web journalism.
- Young Adult Literature
 - Builds an appreciation for contemporary literature and encourages critical thinking across the curriculum.



Family & Consumer Science Electives

FCS Major

- Food & Nutrition
- Sewing



Family & Consumer Science Electives

FCS Minor

- Sewing
- Food & Nutrition



Family & Consumer Science Electives

Clothing Crafts:

- Clothing construction, skills and techniques
- Craft options



Music Electives

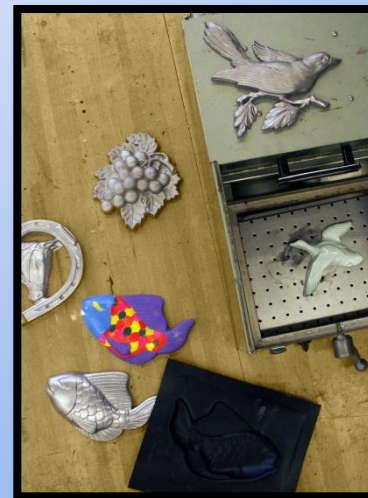
- Band Major
- Freshman Concert Band & instrumental music
*minors
- Chorus *minor
- Orchestra Major
- Orchestra *minor



Technology & Engineering Education Electives

Materials Manufacturing I

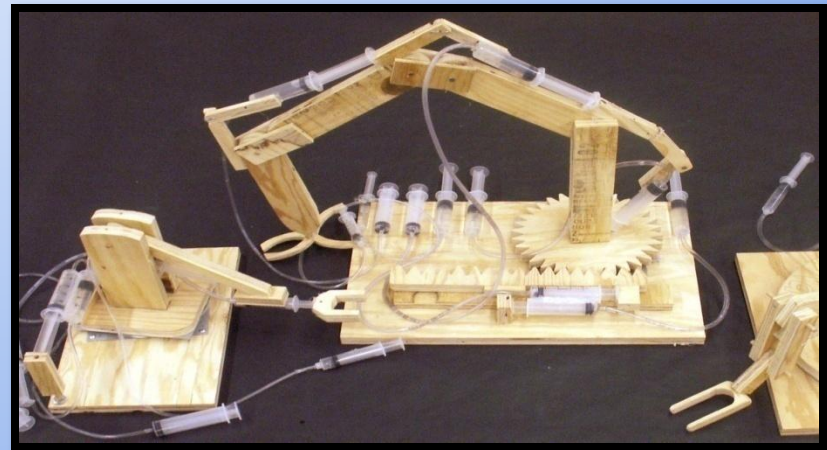
- ½ credit– Minor class
- Students focus on how industrial materials such as wood and plastic are manipulated into useful consumer products.
- Students will learn the safe and proper use of hand tools and machines.
- Computer aided drafting (CAD) software and computer numerical control (CNC) equipment will be introduced.



Technology & Engineering Education Electives

Technology Systems I

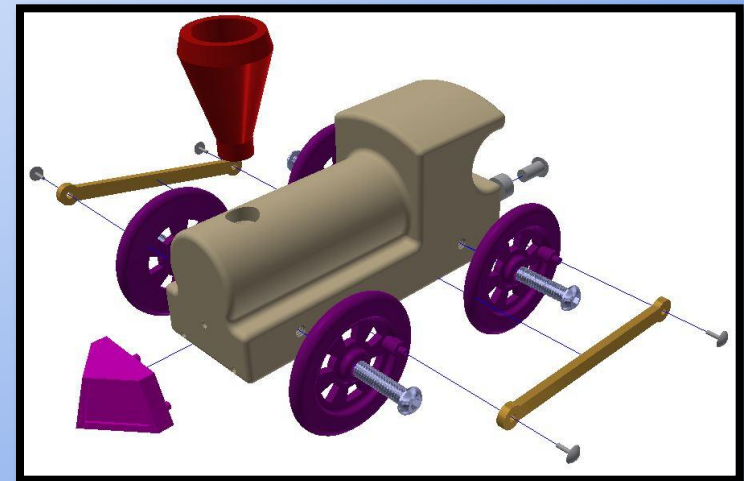
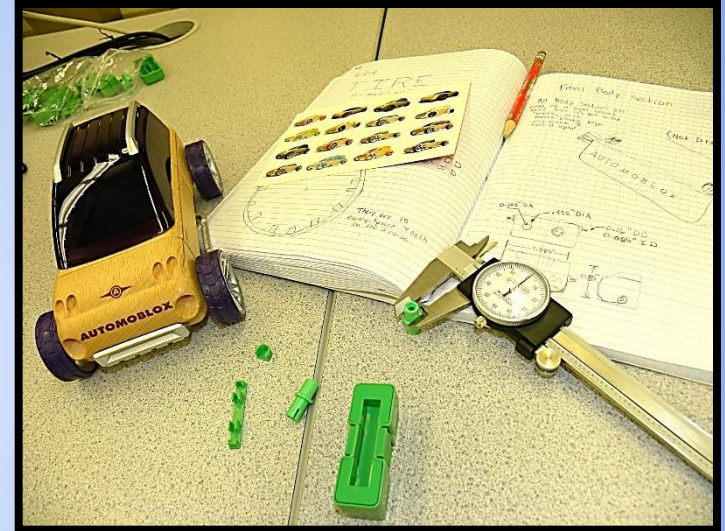
- ½ credit – Minor class
- Hands on problem solving will be required to fabricate several different types of projects.
- Learning the proper and safe use of hand tools and machines will be an important part of this class.
- Projects include: Hydraulic arm, Electric powered vehicles, Magnetic levitation, Crash testing, CAD drawing...



Technology & Engineering Education Elective

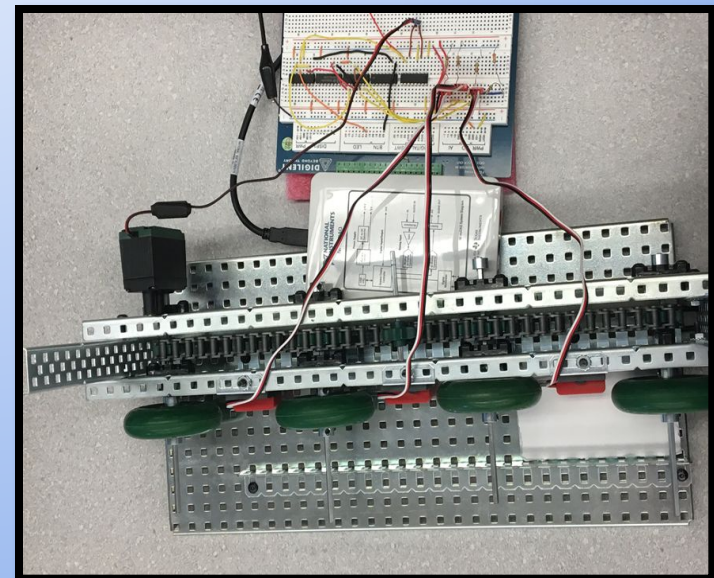
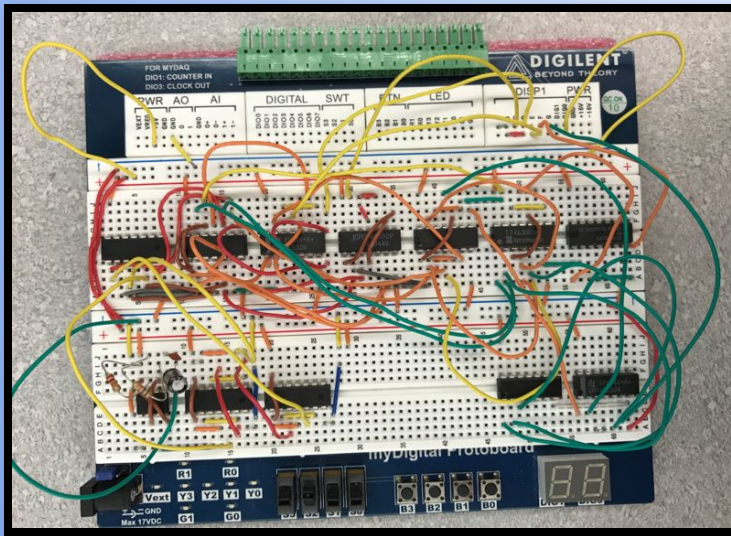
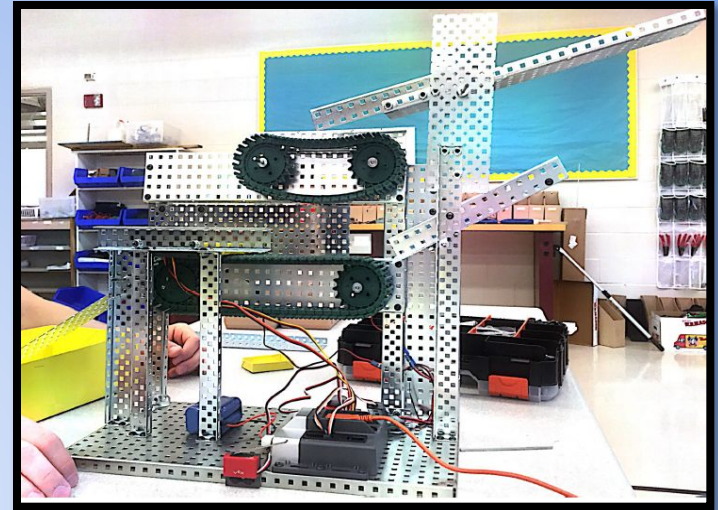
Introduction to Engineering Design - Honors

- The entry level STEM class in our certified **Project Lead The Way** curriculum.
- Coursework includes – proper documentation, problem solving skills, research and development, prototyping, design testing and team collaboration.
- Heavy concentration of 3D modeling design using CAD (Computer Aided Drafting)
- *Students must have earned a final grade of B or above in Algebra 1 and passed the Algebra Keystone Exam.*



Advanced PLTW courses

- Principles of Engineering
- Digital Electronics
- Civil Engineering & Architecture



World Language



- German I
- Spanish I and II
- French II



Western Montgomery Career & Technical Center

9th Grade Program

Automotive technology	Culinary Arts
Advanced Manufacturing	Diesel Technology
Carpentry	Electrical Occupations
Collision Repair	Heating Ventilation & Air Conditioning
Commercial Art	Introduction to Medical Careers
Computer Information Systems	Protective Services
Cosmetology	Welding & Metal Fabrication

Potential College Athletes:



- There are specific courses, grade and testing requirements for students who are interested in playing NCAA Division I or Division II sports in college.
- Refer to NCAA.org and our online Course Book for details.
- Keep your School Counselor aware of your desire to play in college to be sure you are on the right track. Reference our website for NCAA tracking form.



Future Planning Center

- Future Planning Center (FPC)
- Mrs. Lusignea & Mrs. Sussman (College & Career Coordinator)

All students will visit the FPC during February of students' Sophomore year.

- Parent appointments will be available starting the spring semester of students' Junior year.
- **Smart Futures** – Post secondary planning program that will be introduced during the student's Freshman year.

9th Grade Course Selection Sheet

(Due to Homeroom teacher by March 1)

Subject	Course #	Course	Credit	Teacher Signature	Course #	Course	Credit	Teacher Signature
English	N100	English 9	1		N101	English 9-Honors	1	
Math	N311	Algebra I	1		N325	Geometry-Honors	1	
	N335	Algebra II-Honors	1					
Science	N410	Earth Science	1		N411	Earth Science-Honors	1	
	N421	BSCS Biology-Honors	1					
History	N200	US History and the Global World	1		N201	US History and the Global World-Honors	1	
	N227	AP Human Geography	1					
Phys. Ed.	N800	Physical Education	1					

Course Selection Timeline

- January 24 - Teachers' recommendations start
- February 4 - Directions released to review teachers' recommendations in Skyward
- February 2- Course selection sheet due to homeroom teachers
- February 5- March 1 counselors will enter student electives
- March 4-8 - Overrides - Contact current counselors
- Throughout timeline, 8th Grade counselors will assist students
- March 22-27- Course Verification in Skyward
- June 21, 2024 last day to submit a change request