

Eastern High School

Choose Your Future Night

2024

Welcome
Class of 2028!



Did you know?

EASTERN HIGH SCHOOL offers College Credit Plus coursework within the walls of Eastern!

EHS is continuously looking for ways to integrate college coursework into the schedule to give students opportunities to work toward an associate degree!



OHIO'S OPTIONS

FOR A HIGH SCHOOL DIPLOMA

Requirements for all students

Complete 21
course credits

Earn competency
scores on ELA 2
and Algebra I EOC

Earn 2 Seals



Complete 21 Course Credits

Our District's Course Requirements	Units Required
English Language Arts	4 Units
Mathematics	4 Units
Science	3 Units
Social Studies	3 Units
Health	.50 Units
Physical Education (or PE Waiver)	.50 Units
Electives (.50 personal finance & 1 fine art)	6 Units
Total	21 Units

*Class of 2026 and beyond .50 personal finance credit

Earn competency scores on ELA 2 and Algebra I EOC

- State determined competency score on ELA 2 EOC Test
 - Sophomore Year (or 9th grade ELA 2)
- State determined competency score on Algebra I EOC Test
 - Freshman Year (or 8th Grade Algebra I)

Take seven required state tests

1. English II
2. Algebra I
3. Geometry

4. Biology
5. American History
6. American
Government

Earn 2 Seals

At least one of the two must be Ohio-designed:

- OhioMeansJobs Readiness Seal (Ohio)
- Industry-Recognized Credential Seal (Ohio)
- College-Ready Seal (Ohio)
- Military Enlistment Seal (Ohio)
- Citizenship Seal (Ohio)
- Science Seal (Ohio)
- Honors Diploma Seal (Ohio)
- Seal of Biliteracy (Ohio)
- Technology Seal (Ohio)
- Community Service Seal (Local)
- Fine and Performing Arts Seal (Local)
- Student Engagement Seal (Local)

Fine Arts

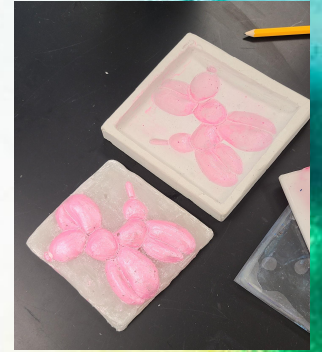


Art & Music





Art



First Year Studio Classes

Art I

- Students will explore the Elements of Art and Principles of Design while completing projects in:
 - Drawing
 - Painting
 - Printmaking
 - Ceramics
 - Sculpture
 - Mixed Media.
- Incorporates aspects of Studio Art, Art Appreciation, Art History, and Art Criticism.

3D Art & Design

- Students use sculptural materials to build their creative skills through the Elements of Art and Principles of Design.
- Projects may include *ceramics, resin, enameling, 3D printing, plaster, wax, wire, paper, mixed media, found objects, and more.*
- Incorporates aspects of Studio Art, Art Appreciation, Art History, and Art Criticism.

First Year Humanities Options

Arts & Cultures (A) - 2024/25

- Combines art history, art appreciation, and cultural awareness.
- Not only will we explore the arts from ancient to the modern times, we will also study the corresponding cultures - including, but not limited to, movies and media, holidays and traditions, and culinary arts.
- Section A Cultures (subject to change)
 - Prehistoric World, MesoAmerica, Mexico, France, Early & Celtic Ireland, Modern Ireland, China, & Italy

Arts & Cultures (B) - 2025/26

- Combines art history, art appreciation, and cultural awareness.
- Not only will we explore the arts from ancient to the modern times, we will also study the corresponding cultures - including, but not limited to, movies and media, holidays and traditions, and culinary arts.
- Section B Cultures (subject to change)
 - Prehistoric World, Mesopotamia, Egypt, Ancient, Classical & Modern Greece, Oceania/Pacific Islands, and Japan through the Ages.

Continuing in the Arts

Advanced Art

- Students will continue to develop skills and techniques learned in previous art courses.
- While aspects of Studio Art, Art Appreciation, Art History, and Art Criticism are emphasized, Advanced Art students will explore individual ideas and approaches, with expression as the goal.
- Prerequisite: Complete a studio class with an 80% or higher YTD and must have teacher approval.

Independent Study (Year 1 & 2)

- Students that are interested in continuing their artistic journey can take Independent Studies.
- Focuses on developing skills, new techniques, building a portfolio, and branching out (exhibitions, art school, and beyond...).
- Must have completed Advanced Art with an 80% or higher YTD and must have teacher approval.
- Can be taken during any HS art period.

AND DON'T FORGET ART CLUB!



Music



Eastern Bro
Bands



Co-Curricular Band

- **Concert Band** forms the core of our instrumental music program.
- **Concert Band** is co-curricular. There will be graded assignments during the day and outside of the school day (concerts, rehearsals).
- It's never too late to join Band! Contact Mr. Hoagland if you're interested.

Extra-Curricular Band

- You must be enrolled in Concert Band to participate in extracurricular activities like Jazz Band, Pep Band, and Marching Band.
- All of these activities occur **outside** of the school day and follow the same eligibility rules as athletics.
- You can earn a **PE Waiver** by participating in 2 years of marching band!





Choir

- **Choir** is co-curricular. There will be graded assignments during the day and outside of the school day (concerts, rehearsals).
- Additional opportunities include Honor Choir, Solo and Ensemble, competitions, and field trips!

Social Studies

REQUIRED COURSES

- American Studies
- World Studies
- Government

ELECTIVES

- Economics
- Psychology
- Sociology
- Geography
- Current
Events/Debate

COLLEGE CREDIT PLUS OPPORTUNITY

- American Government
- American History

Freshman Year

- American Studies College Prep
- American Studies General



Which class should I take?

- College Prep requires more reading and increased workload especially written responses. College Prep also moves at a faster pace.
- General will cover all of the same standards and material, but will have more review/prep for tests.

Sophomore Year

- World Studies CP
- World Studies General
- Government (for students interested in CTC)
- Electives of your choice



Junior Year

- Government CP
- Government General
- Government College Credit Plus**
- Electives of your choice



**** Must receive a A or B to be exempt from Government End of Course**

Senior Year

-Government College Credit Plus

-Electives of your choice



WHAT IS COLLEGE CREDIT PLUS?

Opportunity to earn 12 semester hours FREE in the classroom at Eastern High School. Students also receive graduation points for CCP as well.

English I

Features of English 1: *College Prep. & General*

- ❖ Active Participation
- ❖ Collaborative Class Environment
- ❖ Writing Intensive
- ❖ Variety of Creative Projects
- ❖ Independent Reading Projects
- ❖ Presentations

What we will read:

- Short stories
- Novels
- Nonfiction
- Poetry
- Plays

What we will write:

- Journal Writing
- Creative Writing
 - Example: sequels or alternative endings
- Persuasive Writing
- Literary Analysis
- Informative Writing

How to decide whether
to take General or
College Prep.

Take College Prep. if :

- ❖ typically earn an 'A' or a 'B' in English
- ❖ scored 'Accelerated' or 'Advanced' on the recent state ELA tests
- ❖ you plan to attend college
- ❖ you enjoy reading and/or writing and are looking for a challenge

In a C.P. class we will :

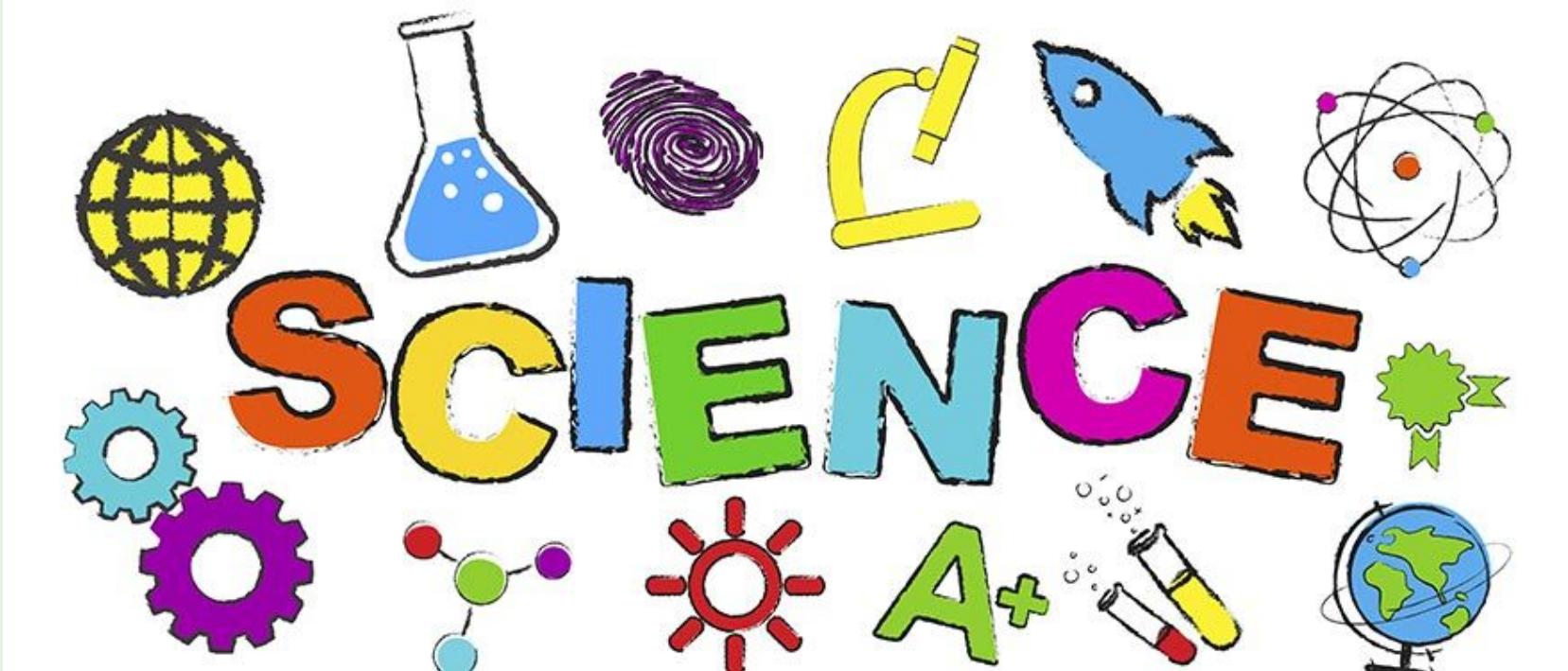
- ❖ Enhance your reading and writing skills by:
 - reading challenging texts
 - applying higher order thinking skills to texts
 - delving into the writing process
- ❖ Move at a pace that challenges you to become a better reader and writer.
- ❖ Expect more reading outside of class.

Take General if :

- ❖ typically earn a 'C' or lower in English
- ❖ did not pass, or barely passed, recent state ELA tests
- ❖ reading or writing can be challenging for you

In a General class we will:

- ❖ Build reading comprehension skills.
- ❖ Focus on the basics of written expression.
- ❖ Move at a pace that allows you to develop the skills you need.



Requirements

You must have 3 Science Credits in order to graduate

PHYSICAL SCIENCE (9th Grade),
BIOLOGY (10th Grade) and one
other SCIENCE COURSE are
required

Freshman Year

CP Physical Science

- ★ **Prerequisite/Corequisite: Students should be taking College Prep Algebra 1 **or** have taken Algebra already**
- ★ **Typically earn an A or B in science class & scored Accelerated or Advanced on the most recent state test**

General Physical Science

- ★ **Typically earn a C or below in science and/or barely passed or did not pass the most recent state test**

Elective

- ★ **If schedule allows**
 - ★ **Be sure to read the course descriptions and requirements**
-

Sophomore Year

CP Biology

- ★ Typically earn an A or B in science class & scored Accelerated or Advanced on the most recent state test

General Biology

- ★ Typically earn a C or below in science and/or barely passed or did not pass the most recent state test

Elective(s)

- ★ Be sure to read the course descriptions and requirements
-

Junior/Senior Year

CP or CCP Chemistry

3rd Year Science

A&P

AP Biology or AP Environmental Science

Physics

Other Available Electives

★ Be sure to read the course descriptions and requirements

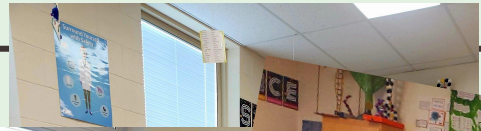
What is AP?

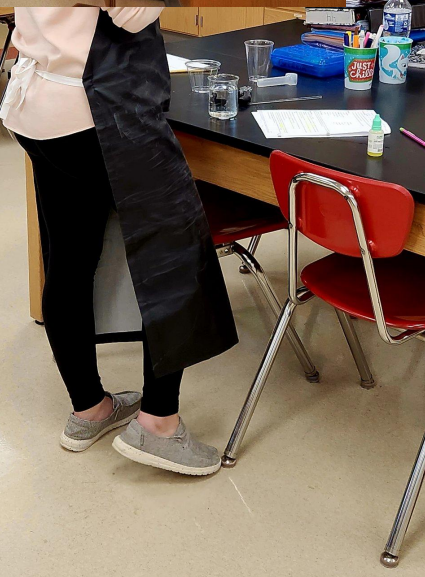
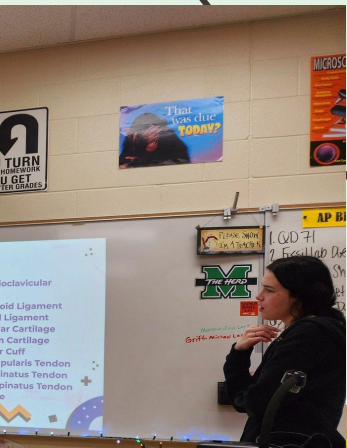
College level course here on campus that:

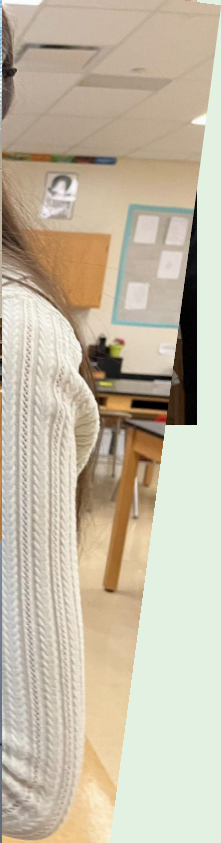
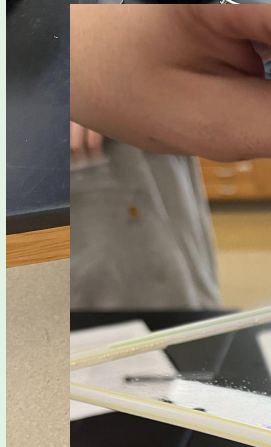
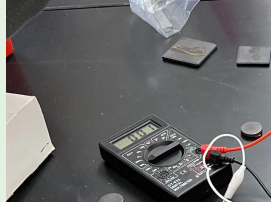
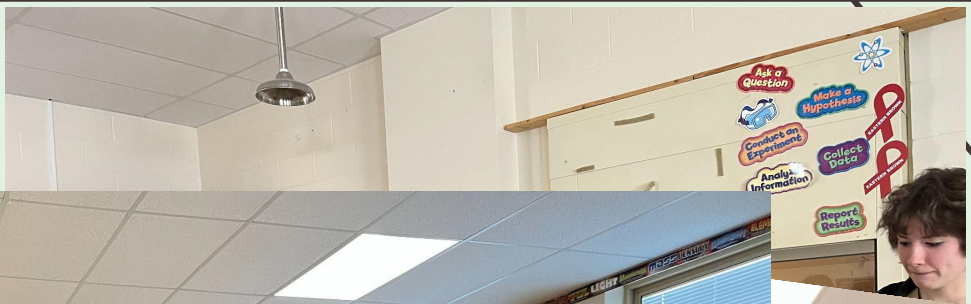
Confidence-Develop better study habits, improve your writing skills and sharpen your problem-solving abilities

Credit- Entering college with AP credits (scoring 3 or higher) give you time to move into upper-level courses in your field of interest, pursue a double major or study abroad

College Success- Research consistently shows that students who are successful in AP typically experience greater academic success in college than similar students who do not participate in AP









**Agriculture
Science
STEAM Pathway**

AGRICULTURAL FOODS AND NATURAL RESOURCES (AFNR)

1st Year High School Agriculture Class

- Animal Science
- Plant Science
- Agriculture Mechanics
- Food Science
- Environmental Science
- Leadership/Communication

FFA Member



Plant Science

Lab Area- greenhouse, crop ground,
raised beds and memorial garden.

Soil, Plant Curriculum

FFA Contest- Soils and Floriculture

Additional classes may include
Greenhouse and Plant and Animal



Animal Science



Lab Areas- Animal lot and small animal set-up

Curriculum- Quality Assurance, , daily care, breeds

FFA- General Livestock, Vet Science, Animal Handling, Equine.

Additional classes may include Animal Nutrition and Selection and Plant and Animal

Mechanics

Lab Areas- Mechanics Shop

Curriculum- Basics of engines, welding, and woodworking.

FFA- Outdoor Power Skills Event

Additional Classes-
Agricultural Mechanics



Food Science



Lab Areas- Food Lab

Curriculum- Farm to Fork, Food Safety

Additional Classes-
Plant and Animal

FFA- Food Science

Natural Resources and Environmental Science

Lab Area- School Pond

Curriculum- Soil Science,
Ecosystems, Natural
Resources

Additional Class-
Environmental Science for
Agriculture and Natural
Resources

FFA- Envirothon, Soils,
Wildlife



Leadership/Communication

Curriculum- team building events, leadership training, class presentations, and FFA fun Friday activities.

FFA- Officer, public speaking, job interview, parliamentary procedure team, state leadership nights, state leadership conferences, state and national conventions,

Excellent Resume/ College Application Builder





Math

$$z = \frac{Z_L}{Z_0}$$

$$\Gamma = \frac{V_{\text{reflected}}}{V_{\text{incident}}}$$

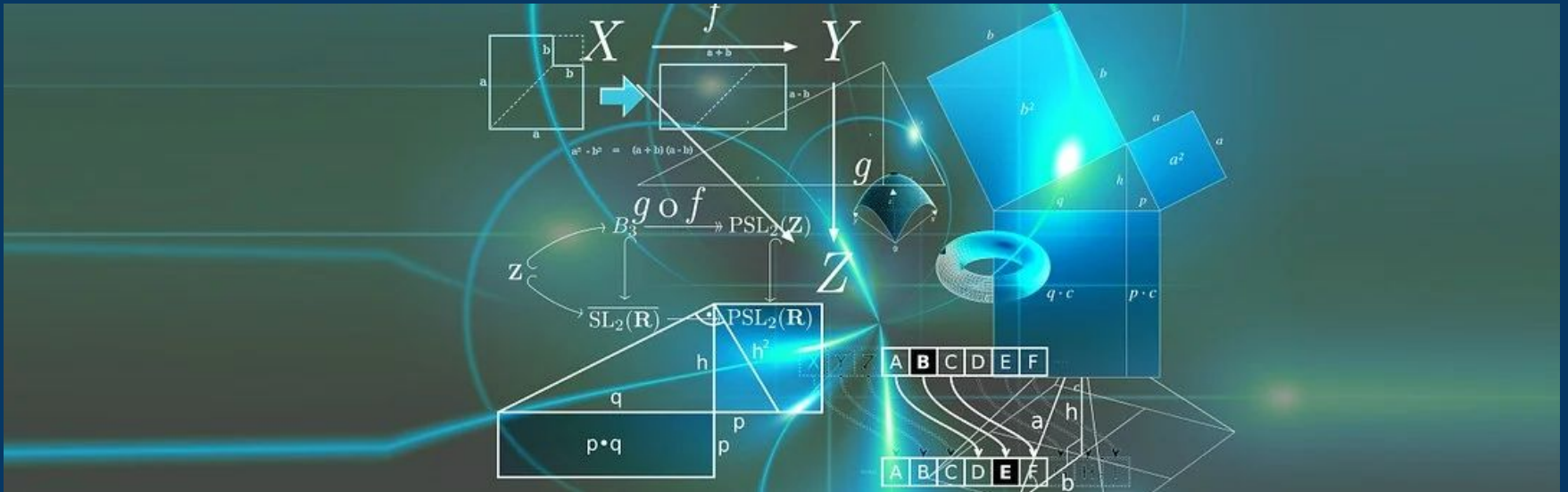
$$\frac{a}{b+c} = a + (b+c) \neq \frac{a}{b} + \frac{a}{c}$$

$$P = 2l + 2w$$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Requirements:

4 Math Credits
to Graduate



General

College Prep

9th Algebra I

Algebra I

10th Geometry

Geometry

11th Algebra II

Algebra II

12th 4th Yr Math

Pre-Calculus

Calculus

**Who should take
General Algebra I?**

**Who should take
Algebra I College Prep?**

Who should take General Algebra I?

Usually get C or lower in math

Didn't pass or barely passed
7th State Math Test

Math is challenging for you

What to expect in General Algebra?

Homework most nights
(some guided practice in class)

Spend two-three days/section

**Who should take
Algebra I College Prep?**

Who should take Algebra I CP?

Easily earn an A or B in math

Like math/good at it

Passed 7th State Math Test with

Accelerated or Advanced Score

Enjoy a challenge

Plan to go to College after H.S.

What to expect in College Prep Algebra I?

Homework every night

(more independent work)

Challenged/pushed

One section/day

The title card features a light blue background with various mathematical symbols and diagrams in a darker blue, including pi, infinity, sine waves, geometric shapes like a cube and a cylinder, and algebraic equations such as $2a + 2b$, $2a + 3b$, and $C = a$.

Algebra 1

Warm-up

Review Homework

Notes over Next Section

Assign Homework

$\pi \approx 3.14159 26535 89793 23846 26433 83279 50288 41971 69399$

01/14/19

Substitution

$$\begin{aligned} 2y &= -2 + 2x & 2x + 3(-1+x) &= 12 \\ \frac{2y}{2} &= \frac{-2+2x}{2} & 2x - 3 + 3x &= 12 \\ y &= -1 + x & 2x + 3x &= 12 + 3 \end{aligned}$$

Solve the system of equations three different ways—by graphing, substitution and by elimination.

$$\begin{aligned} 2y &= -2 + 2x \\ 2x + 3y &= 12 \end{aligned}$$

Graphing

$2y = -2 + 2x$
 $y = -1 + x$

$2x + 3y = 12$
 $2x + 3(-1+x) = 12$
 $2x - 3 + 3x = 12$
 $5x = 15$
 $x = 3$

The digital whiteboard displays a coordinate plane with a grid. Two lines are plotted: a blue line representing $y = -1 + x$ and a red line representing $2x + 3y = 12$. The lines intersect at the point $(3, 2)$. A student is using a ruler to draw the lines.

I am talented.

Substitution:

$$\begin{aligned} 2y &= -2 + 2x & -2x \\ -2x & & -2x \end{aligned}$$

Elimination:

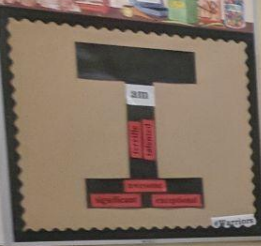
$$\begin{aligned} KH \quad 2y &= -2 + 2x \\ 2x + 3y &= 12 \end{aligned}$$

Date
I am...

Solve both -
choose method

Special Types of
Linear Systems

Graphical Solution



ALGEBRA II

WARM-UP

ELIZABETH

ALGEBRA II

WARM-UP

ELIZABETH



CALCULATOR GAME #

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25
26	27	28	29	30
31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50

Algebra II

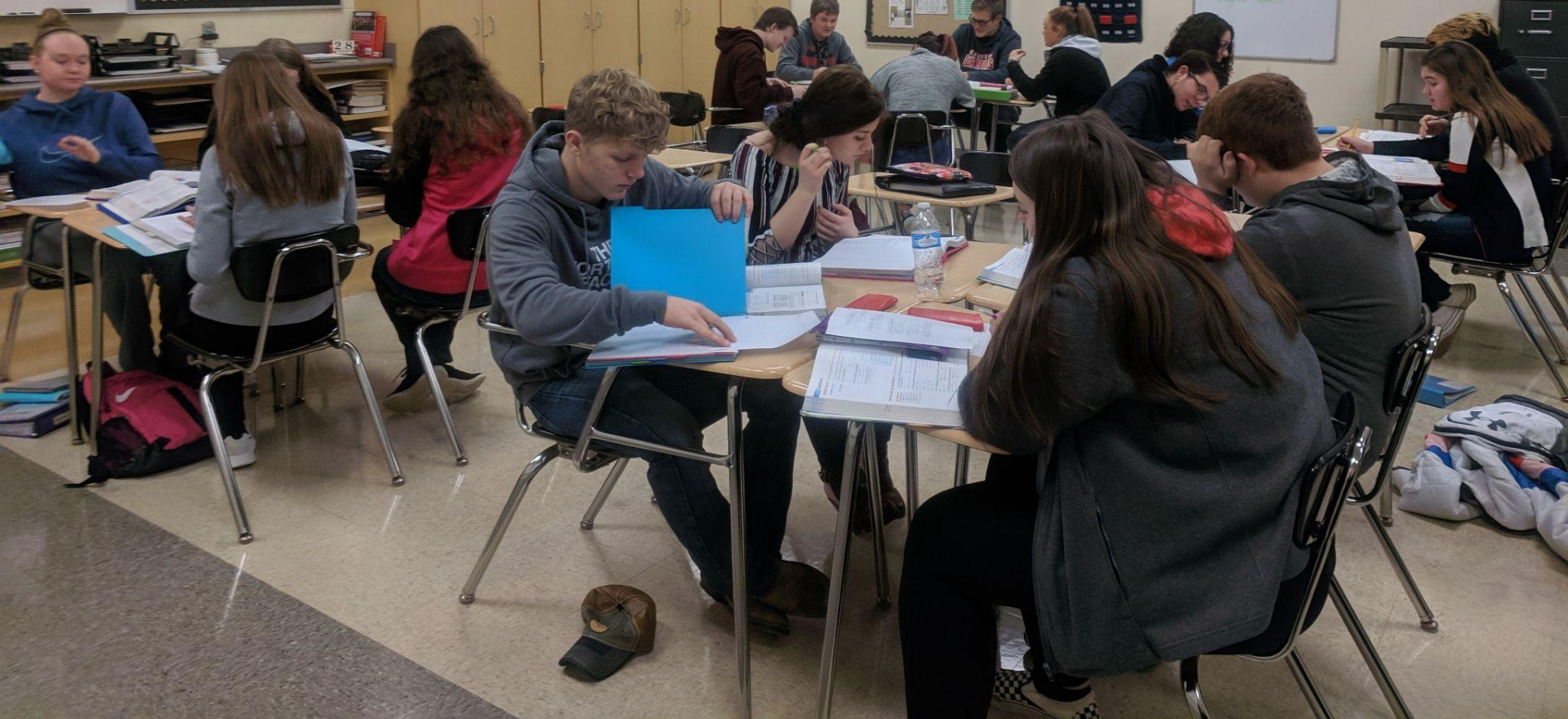
Warm-up

Date I am...

p. 326 #4, 5, 6

Objective: Factor Cubic
Polynomials

Progress Monitor



General

College Prep

9th Algebra I*

Algebra I*

10th Geometry

Geometry

11th Algebra II

Algebra II

12th 4th Yr Math

Pre-Calculus

Calculus



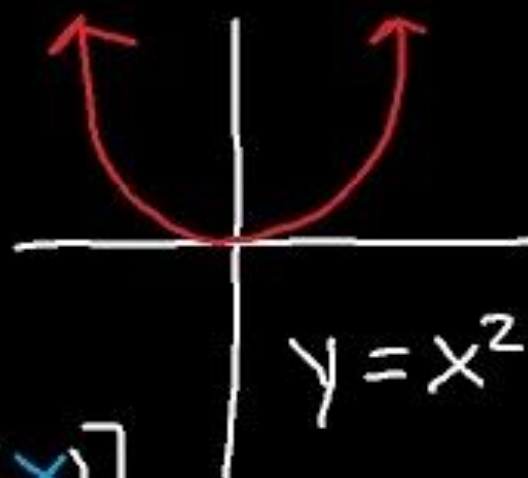
College Algebra Intro

$$2x^2 + 5x - 12 = 0$$

$$(2x - 3)(x + 4) = 0$$

$$x^2 \cdot x^5 = x^7$$

$$f[g(x)] \text{ vs } g[f(x)]$$



General

College Prep

9th Algebra I

Algebra I

10th Geometry

Geometry

11th Algebra II

Algebra II

12th 4th Yr Math

Pre-Calculus

Calculus



College of Engineering and Applied Science

Hello from Cincinnati's College of Engineering & Applied Science(CEAS)! We're reaching out as a reminder about math pathways and course requirements for Engineering & Applied Science.

In order for students to be successful in an engineering curriculum, it's important that they have the proper preparation while they are in high school. We wanted to send you important information as you are working with your students to schedule courses for the next school year.

Below, we've outlined some basic recommendations for students who are interested in pursuing a degree in engineering.

Math courses

- **Precalculus:** It's crucial that students interested in engineering take precalculus while in high school to prepare them for the calculus-based engineering curriculum. Many programs, including CEAS, require pre-calculus for admission into their engineering programs.
- **Statistics vs. Calculus:** For students who have already taken precalculus, we always recommend choosing Calculus over Statistics as it will be a much better preparation for their collegiate courses.

Science courses

- **Chemistry & Physics:** Students, regardless of major, should take both high school physics and chemistry to be best prepared for an engineering curriculum.

If you have any questions or want to ask about a specific student's course choices, please feel free to reach out! We'd be happy to help.

Sincerely,

College of Engineering and Applied Science

Recruitment Team

University of Cincinnati

ceas.ug@uc.edu | [513-556-5417](tel:513-556-5417)

The following majors require

Calculus:

All Engineering majors

All Business majors

Arts and Sciences:

Architecture

Biology

Chemistry and Biochemistry

Computer Science

Economics

Environmental Science

Mathematics

Medicine

Neuroscience

Pharmacy

Physics

Public Health

The following majors do not
require Calculus:

Arts and Sciences:

Anthropology

Art and Art History

Communication

English

Ethnic Studies

History

Modern Languages

Music

Philosophy

Political Science

Psychology

Religious Studies

Sociology

Theatre and Dance

General

College Prep

9th Algebra I

Algebra I

10th Geometry

Geometry

11th Algebra II

Algebra II

12th 4th Yr Math

Pre-Calculus

Calculus

Pick a Number

Pick any number
between 1 and 10

Multiply it by 2

Multiply it by 5

**Divide this number by
original number**

**Subtract 7 from
your number**

The Answer is....

3

FOREIGN LANGUAGE

A word cloud of foreign greetings in various colors and orientations. The words are arranged in a roughly rectangular shape, with some words appearing multiple times in different colors. The colors include shades of blue, green, red, orange, and purple. The words are: SVEIKI, Bunā ziua, Dzień dobry, SELAM, SZIA, HEJ, HEJSAN, ALIO, NOROC, Tjänare, GUTEN TAG, SANNU, Cześć, HEJ, SERVUS, HELLO, CIAO, BONJOUR, PRONTO, SZERVUSZ, BONGHJORNU, DAR FIA, Olá, Alió, HALOO, Hi, DIA, DUIT, SALVE, HALLO, TIENS, ALOHA, HEI, ZDRAVO, MERHABA, VERWELKOMING, Hyló, HALLO, SALUT, ZDRAVO.

FOREIGN LANGUAGE



ASL 1

**ASL 2
(CCP)**

**ASL 3
(CCP)**



FOREIGN LANGUAGE

True

or

False

FOREIGN LANGUAGE

**ASL is a visual form of
English.**

FOREIGN LANGUAGE

**ASL is a visual form of
English.**

FALSE

FOREIGN LANGUAGE

ASL is not universal.

FOREIGN LANGUAGE

ASL is not universal.

TRUE

FOREIGN LANGUAGE

**Most Deaf children have
Deaf parents.**

FOREIGN LANGUAGE

**Most Deaf children have
Deaf parents.**

FALSE

Extra-Curricular Activities

Academic Team

National Honor Society

Art Club

SADD

Athletic Teams

Drama Club - School Play

Freshman Class Committee

Senior Class Officer

Jazz, Pep, and Marching Band

Student Council

Sophomore Class Committee

Key Club

Junior Class Officers

Prom Committee

**This list provides you with over 20 opportunities to “GET INVOLVED” at E.H.S. !
Activities Fair - May at EHS**

**Eastern stands for
Excellence:
Make it Happen!!**