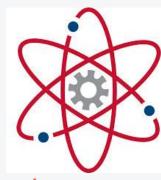
# WELCOME TO STEM!



#### <u>VOLUME UP</u>



#### Career Tech PLTW Pathway - We Accept All Students!

Career-technical education does not discriminate on the basis of race, color, national origin, sex, disability, or age for participation in any program or activity. Lack of English language proficiency will not be a barrier to admission and participation in career-technical education programs.

\*If you'd like this information translated into another language, please let your Counselor know.

## What is the STEM Team?

Students and teachers who work together as a cohort

Worthington has crafted a Freshman Team that honors the value of that timeless knowledge while engaging students in a dynamic, modern curriculum.

- More support transitioning from MS to HS
- Team teachers work together to help you be successful
- Sense of belonging for both students and parents
- Learning & problem solving for all interests and career paths - math, science, technology, medicine, engineering
- Excellent college preparation

## Freshman Year at TWHS

### The STEM Team

- 1. English
- 2. History
- 3. Biology
- 4. Elective (Typical Global Language)
- 5. Lunch & Study Hall with team
- 6. Math
- 7. Introduction to Engineering
- 8. Elective
- \*Elective can also be an additional study hall.
- → You select to be on this team.
- → You share the same teachers as all members on the team.

## Everyone Else

- 1. English
- 2. History
- 3. Physical Science
- 4. Elective (Typical Global Language)
- 5. Lunch & Study Hall/Large Space
- 6. Math
- 7. Elective or Study Hall
- 8. Elective
- → Students, not on the STEM team, will be divided randomly among high school teachers.

## Other Interests and Classes Example <u>4 Year Plans</u>



Music, Theatre and Art

World Language

**EBA** 

Linworth

**Graduation Requirements** 

## Social Emotional Strengths

#### STEM Classes

- Like-minded students
- Academically Motivated
- Community feeling





#### Non STEM Classes and Electives

- Spread out randomly with the other 1700 kids at TWHS
- All other electives will have non STEM students
- Foreign Language
- Music/Art/Theatre

Anyone on STEM will be in the same classes!!

#### Lunch and Enrichment

#### Enrichment = Team Academic Prep

- All STEM teachers available for help, make-up tests or labs, etc.
- Homework
- Technology/Lab



#### Lunch Option

- Calm and quiet area to eat (and continue working if you want)
- Avoid the loud, crowded lunchroom

## Team Environment and Expectations

Rigorous pathway
Behavioral expectations
HS = more work than MS
Soft Skills

Team teachers meet weekly. We monitor and make adjustments if we notice workloads are too heavy or too light.



Classmates:

Academically centered/motivated Involved in extracurriculars

## Resources and Technology

#### Technology

- Desktop computers
- Chromebooks
- Printers
- 3D Printers
- Fab Lab Equipment
- Project Materials



Advanced Placement Program



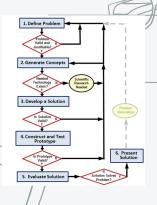
#### Resources

- Team Teachers
- Enrichment
- STEM Club
- Honda and CSCC Partnership
- U of C Engineering Visit
- OSU
- College Credit
- Science Advancement





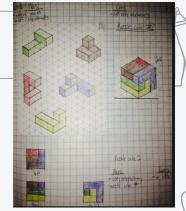


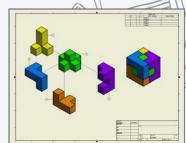


## **Engineering Class**













- Logical processes to solve problems
- Tools and technology education
- Access to innovative experiences only in the STEM program
- Challenging in a good way





## Engineering Lab









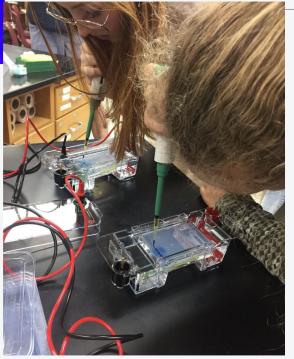


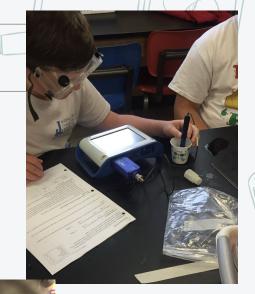


Dream it? Build it!!











EXCLUSIVE Labs - only STEM Bio students get to do these!



## Why would you choose the STEM Team again?

- STRONG preparation for future success
- Team of teachers working together
- Sense of belonging for both students and parents
- Safe and nurturing environment
- College Credit



# Do you want to see some of the projects that STEM students do?

Freshman STEM Team - Make More Video

PLTW Video - Info About IED - 2021-22

PLTW Video - Info About PLTW Courses - 2021-22

PLTW Video - Info About Women in Engineering - 2021-22

Do you have a question about the program that wasn't addressed in this presentation?

Contact Bryan Brown Introduction to Engineering Teacher bbrown@wscloud.org







