

Syllabus & Student Questionnaire



Visit my class site at www.wheeler-engineering.weebly.com for a digital copy of the syllabus and student questionnaire



Foundations of Engineering and Technology

Wheeler HS Spring 2020

Mr. Mars Berwanger



Graffiti Walls

- ▶ Walk around the classroom and complete the sentences on the 6 posters:
(just one word is OK!)
 1. My favorite book/TV show is...
 2. My favorite artist/band is...
 3. My family is...
 4. My friends would describe me as...
 5. When I think of Engineering I think of...
 6. Before I die I want to...
 7. My holiday break was...

About Me



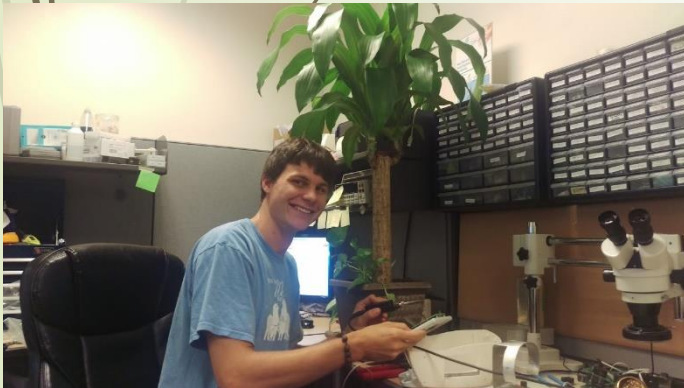
Electrical Engineering
from Georgia Tech



Two brothers, one sister,
five nieces!



coaching JV boys
basketball



Worked at Clean-Hands Safe-Hands for ~3
years (startup Engineering Company that
monitors nurse's washing their hands in a
hospital)



- Master's in Teaching from KSU
- Taught math at THE Paulding
County HS

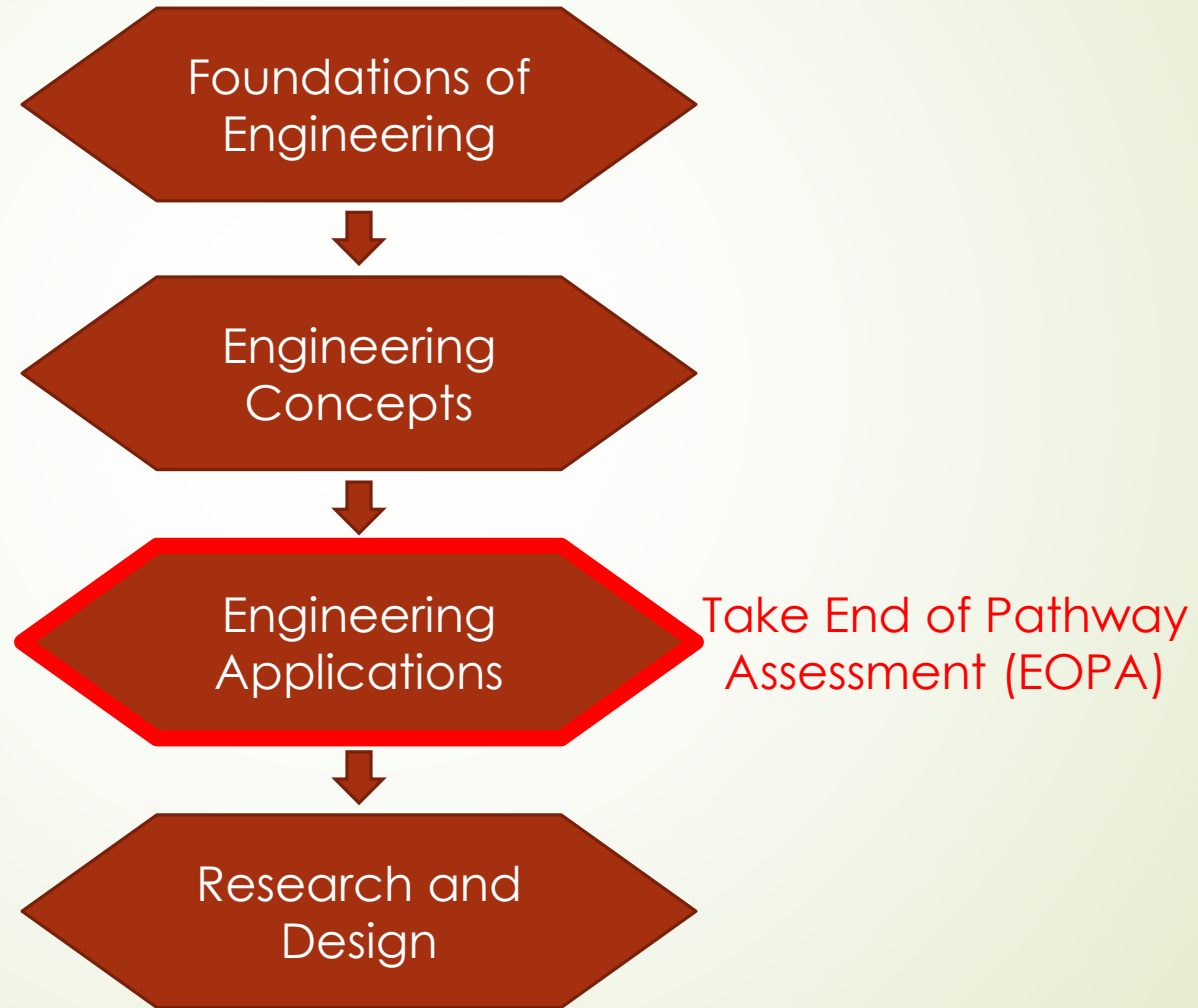


Two bunnies (Coffee and Cream)

About this Class




The Engineering Pathway



Class Mission Statement



To create a safe & positive learning environment where every student learns the skills and habits needed to create meaningful change for the challenges of their future.





Norms



- ▶ Find a group (any number is ok with me – your choice)
- ▶ On a piece of paper, record two things:
 - ▶ What does a positive learning environment mean to you?
 - ▶ come up with a list of as many norms and expectations which you would like this class to have

Paper Airplane Challenge!

Rules:

- Can work in groups of up to three (or better yet, individually)
- Your plane can only consist of paper and <3" of scotch tape
- Can only throw your plane in the designated throwing areas
- Limit two flights per turn

Goal #1
Create the plane
which flies the
farthest

Goal #2
Create the plane
which flies the most
accurate over 10
feet

- Decorate and turn in your plane with all partner's names on it when done



Foundations - To Do!

- ▶ Read through the syllabus and share it at home
 - ▶ Don't need to get it signed
- ▶ Complete student-questionnaire by Thursday (1/9)



Concepts/Applications – To Do

- ▶ Get in Slack
 - ▶ Join either 3rd block or 4th block logistics channel
- ▶ Put on whiteboard
 - ▶ What is a norm in this class that would help you have a successful semester?
- ▶ In a Slack message to me, write:
 - ▶ What do you hope to learn from this class?
 - ▶ What is a project you think would be cool to work on (doesn't need to be feasible)?