Foundations of Engineering and Technology

Wheeler HS Fall 2018

Mr. Mars Berwanger

Syllabus & Student Questionnaire



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 graduate I want to...
 - 7. My summer was...

About Me



from Georgia Tech



Two brothers, one sister,Electrical Engineeringfive nieces!



Two bunnies (Coffee and Cream)

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 Geometry and Algebra II at THE Paulding County HS

More Bu

Breakfast:



Dinner:



What is Engineering?

Discuss with your table for three minutes and come up with a definition and examples

Definitions: Engine-caning Engine-caning Einding The mostlet effectivent Way tomake something work Using the design process to find solutions to problems The Application of Technology Using technology of science to C(100)

Electrical Cars Cars everything?

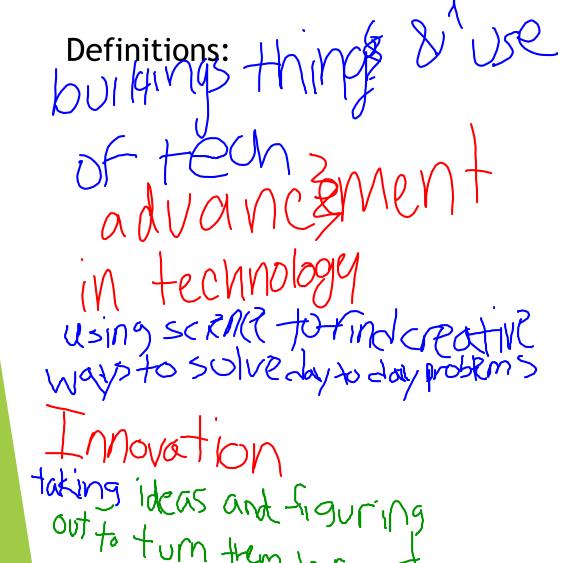
What is Engineering?

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Examples: Definitions: Jesigning and building tools to aid people ar CREATION OF MACHINES AND TECH Solving world problems with tech. Bridge BUILDMAN 'SUPERCAR' building what eventicle and designers Hydroelectric dams artistic buildings Toester want to happen The use of moth, Science, and cleativity to solve problems MOGI VOICILY building and repairing items

What is Engineering?

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Examples: DIOSPULE Electrica | Engineering Civil Engineering "Omedica"

Engineering

- Formal definition:
 - the branch of science and technology concerned with the design, building, and use of engines, machines, and structures.
- My definition:
 - The process of using creativity and the scientific inquiry to solve real-world problems.

Artifact Assignment

- Bring any school-appropriate artifact you have from home that represents you
 - (ideally something small enough so you can easily keep it in your backpack, or already have in your backpack)
- Be prepared to share with the class what the artifact is and why you chose it!

To Do!!!

- Return signed syllabus by Friday (8/27)
- Return student-questionnaire by Monday (8/6)
- Bring any artifact to school tomorrow!