



ENGINEERING PRINCIPLES 1 & 2

Survey of Engineering

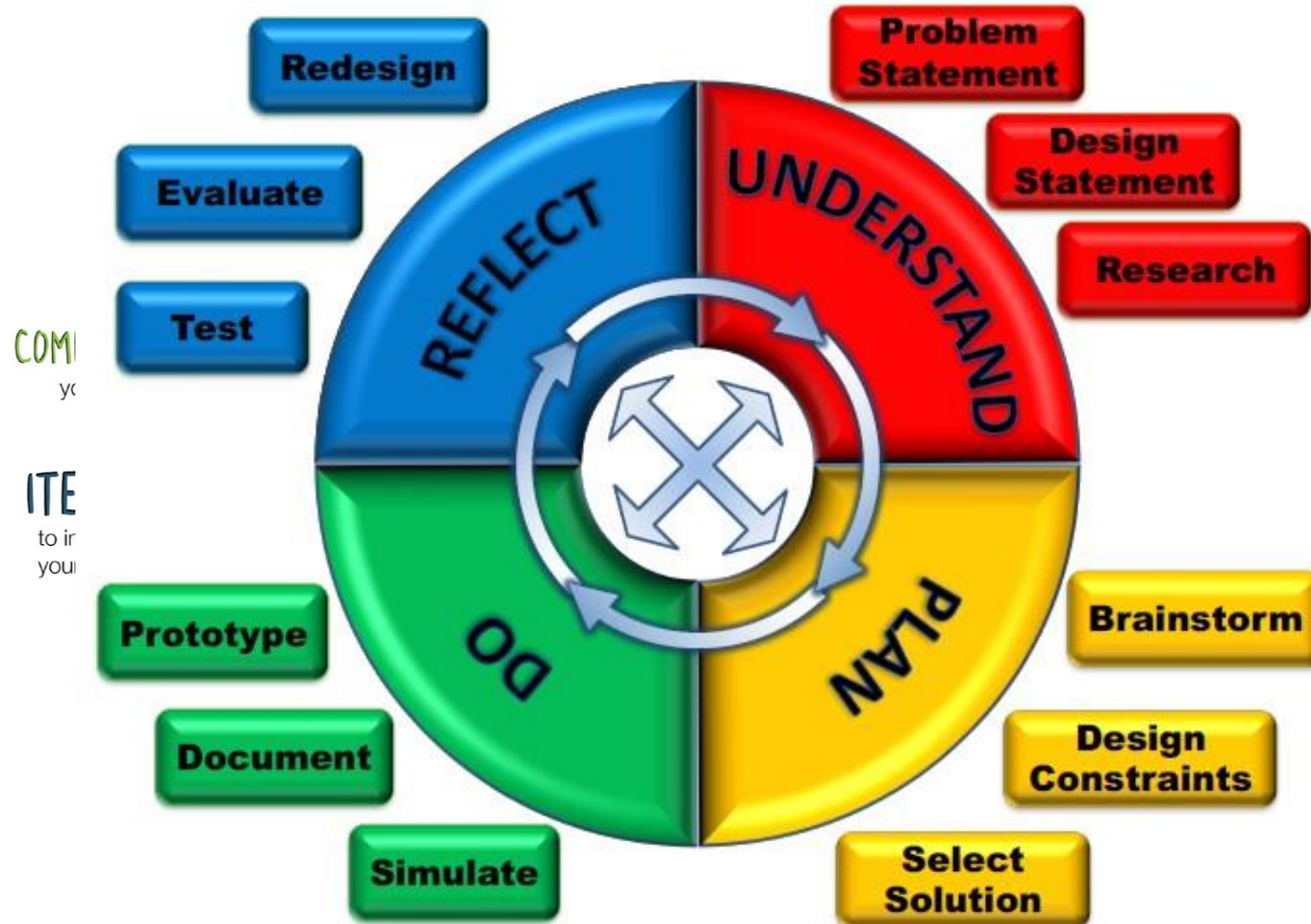
What is This class all about?

- **Honors level Curriculum**
- 8 units that include:
- The fundamentals of the Engineering Design Process.
- 7 Main Engineering fields
 - Civil Engineering, Computer Science, Biomedical Engineering, Electrical Engineering, Materials Testing Engineer, Chemical Engineering, and Mechanical Engineering.
- Each unit includes Hands on Engineering activities

Engineering Principles 1

1st semester

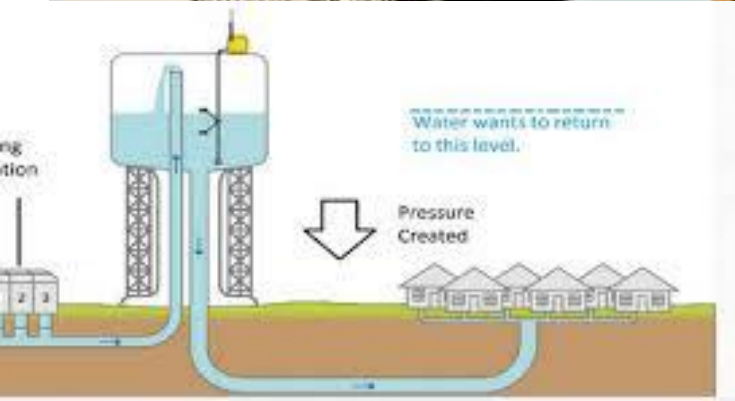
THE ENGINEERING DESIGN PROCESS



Engineering Fundamentals

The Engineering
Design Process

Engineering
notebooks.



Civil Engineering



Computer Science Computer Engineering

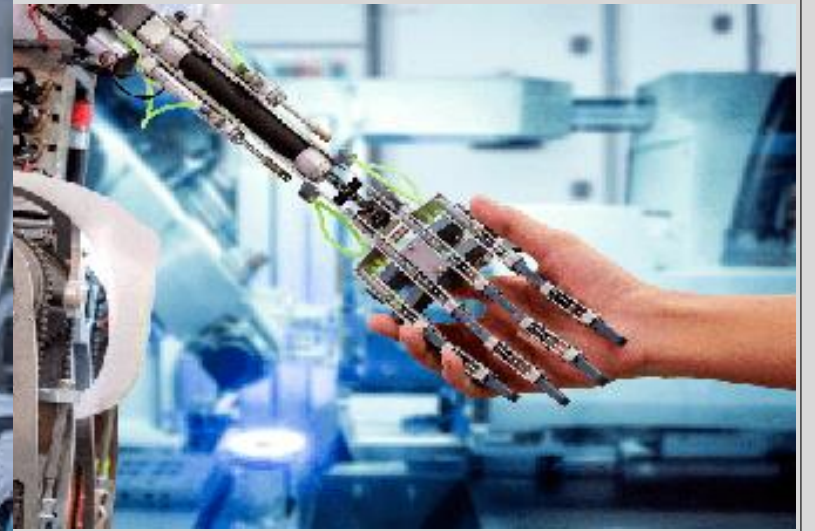


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Biomedical Engineering



Engineering Principles 2

Second semester



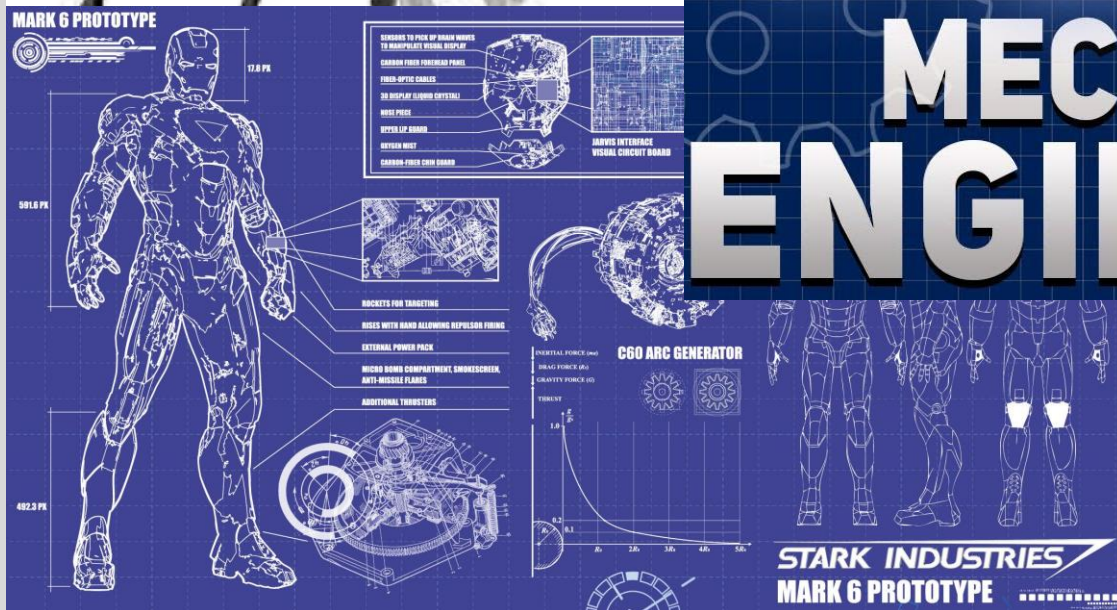
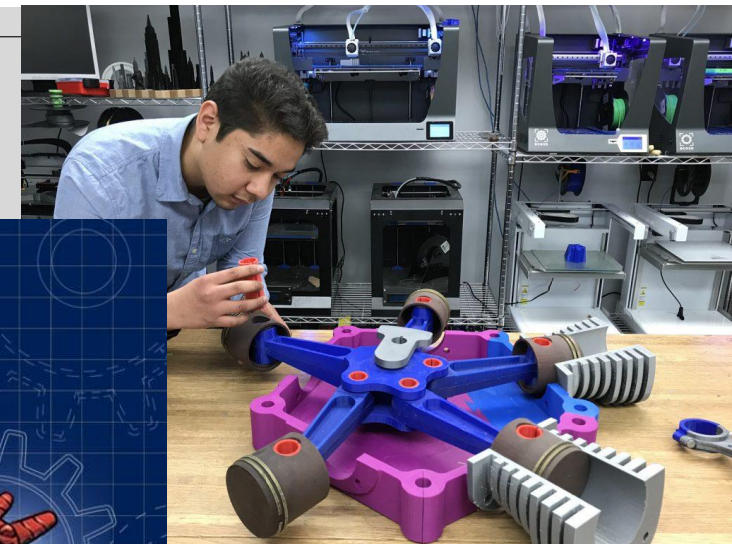
Electrical Engineering



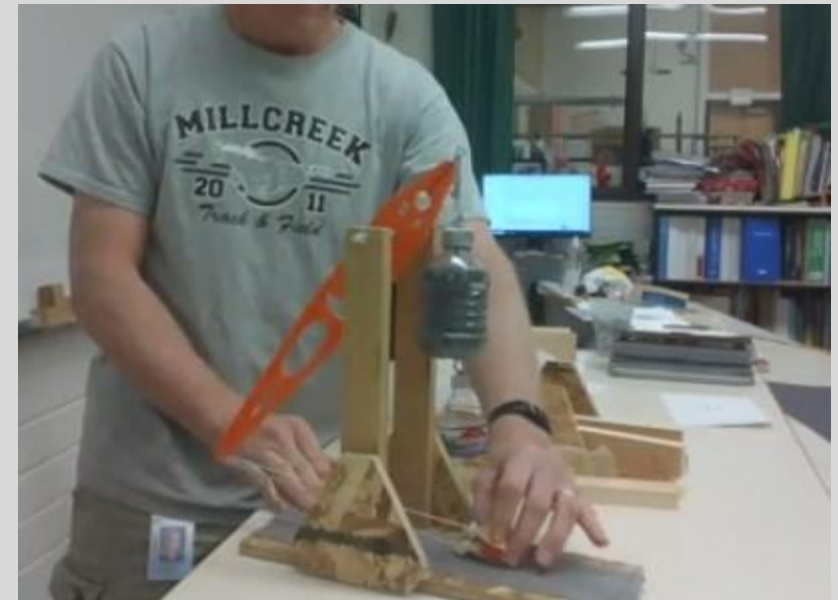
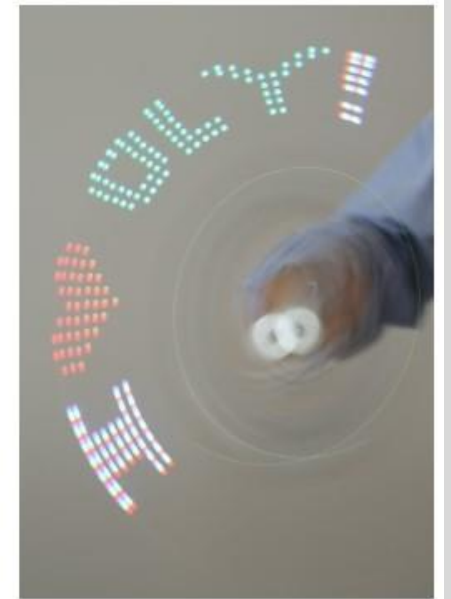
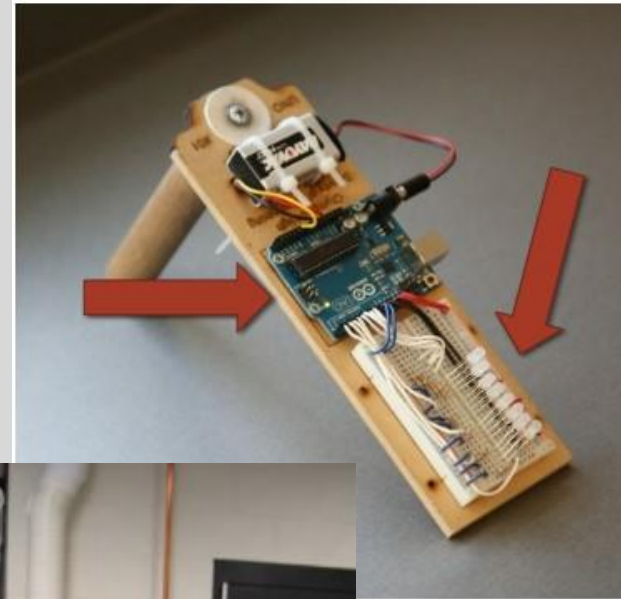
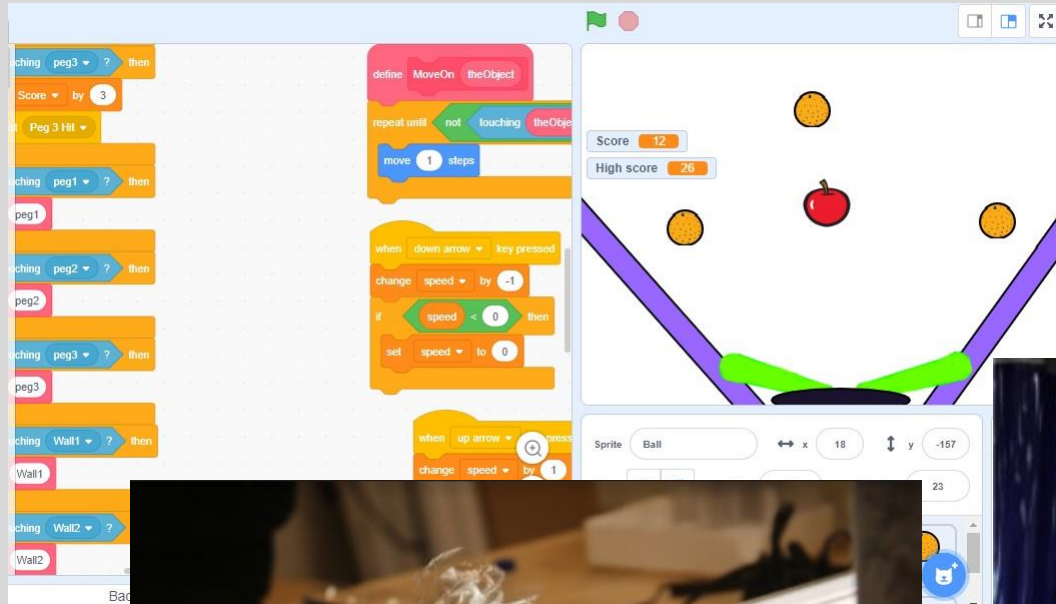
Material Testing Engineer







Lab Activies



What this class is Not!

- This is NOT a Shop Class!
- Lab activities do not result in projects that you will take home.

Why should you take this Class?

- To get hands on Experience doing engineering activities
- You may discover an Engineering Field that you have a passion for.
- This is the entry class for the DSD Engineering Pathway.
- You get science Credit !