

# ODU Engineering Day School Site Visit

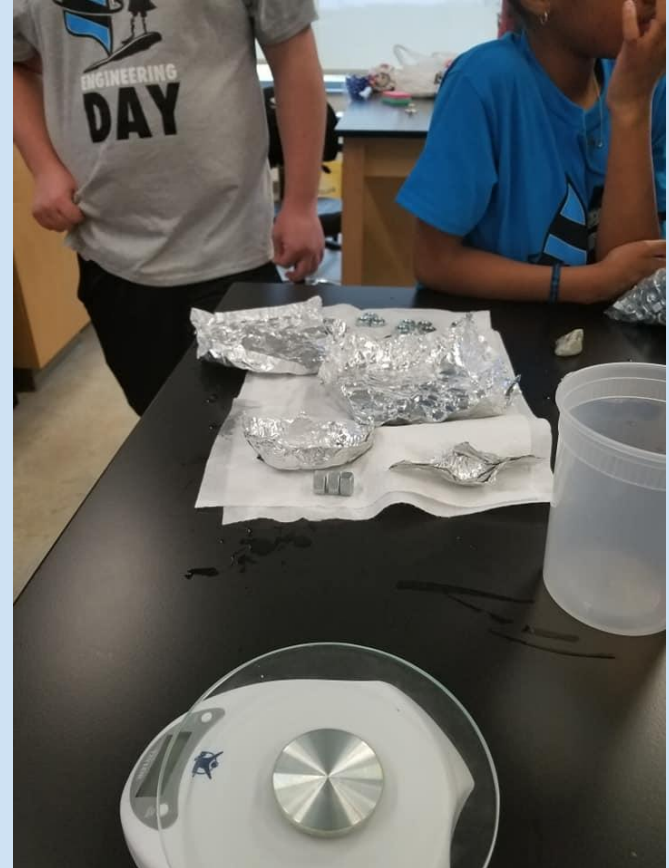


**OLD DOMINION**  
UNIVERSITY

Nicholas Matha  
Jacob Schwartz  
Morgan Curry  
Mohammed Alhafith  
Sharif Donkor  
Kimberly Torres

# Why are we here?

- 1) Your class will travel to ODU for a field trip on the morning of April 23rd.
- 2) Time allowing, your class will visit a couple of Engineering Labs at ODU.
- 3) Your class will eat lunch in the dining hall at ODU.
- 4) Your class will participate in an Engineering Challenge let by us!



# Icebreaker

## A Great Wind Blows

1. The whole class will come together in a circle. One person will be in the middle and say one thing about themselves. Ex: I have black hair.
2. If a person in the circle has a trait like that person they must run out of the circle and run to a different spot the person who does not make it to a spot is the new person in the middle.



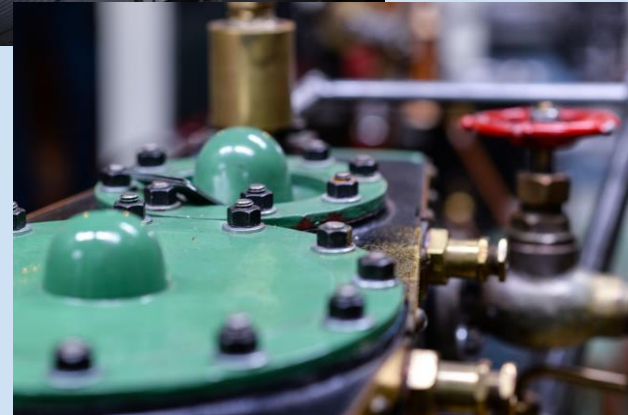


# What kinds of projects are ODU Engineering Students involved in?



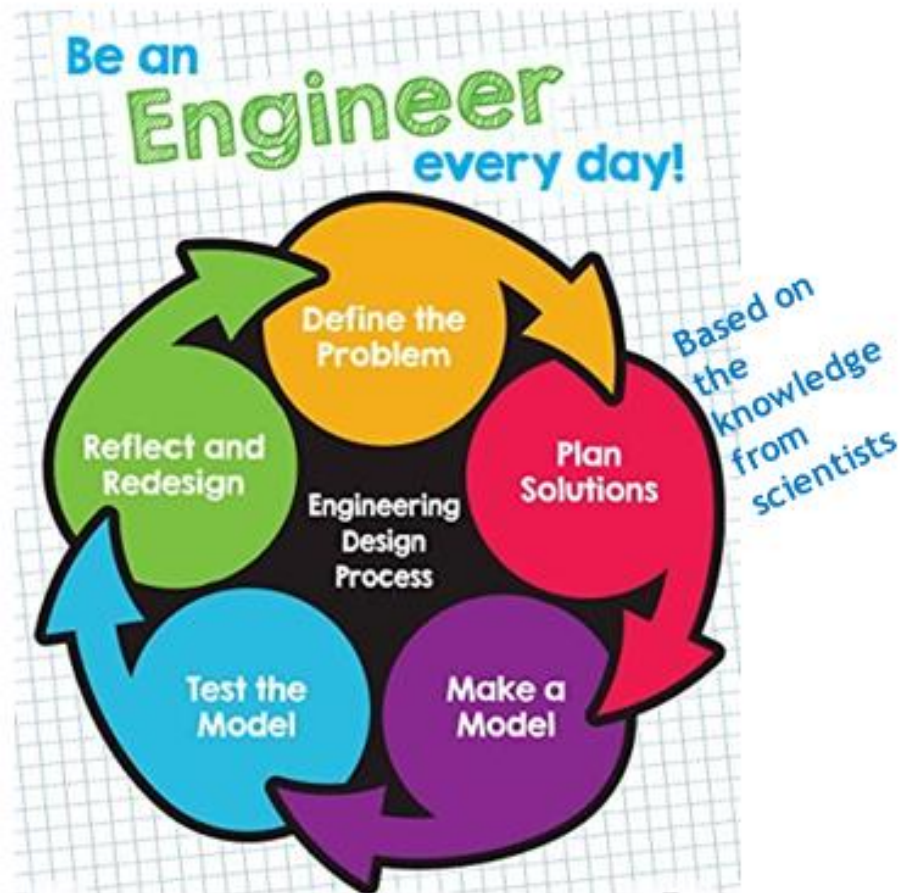
# Engineers are Designers/Inventors!

- Scientists study how mother nature behaves.
- They find mathematical models
- Engineers “fool” mother nature through devices to improve our lives.

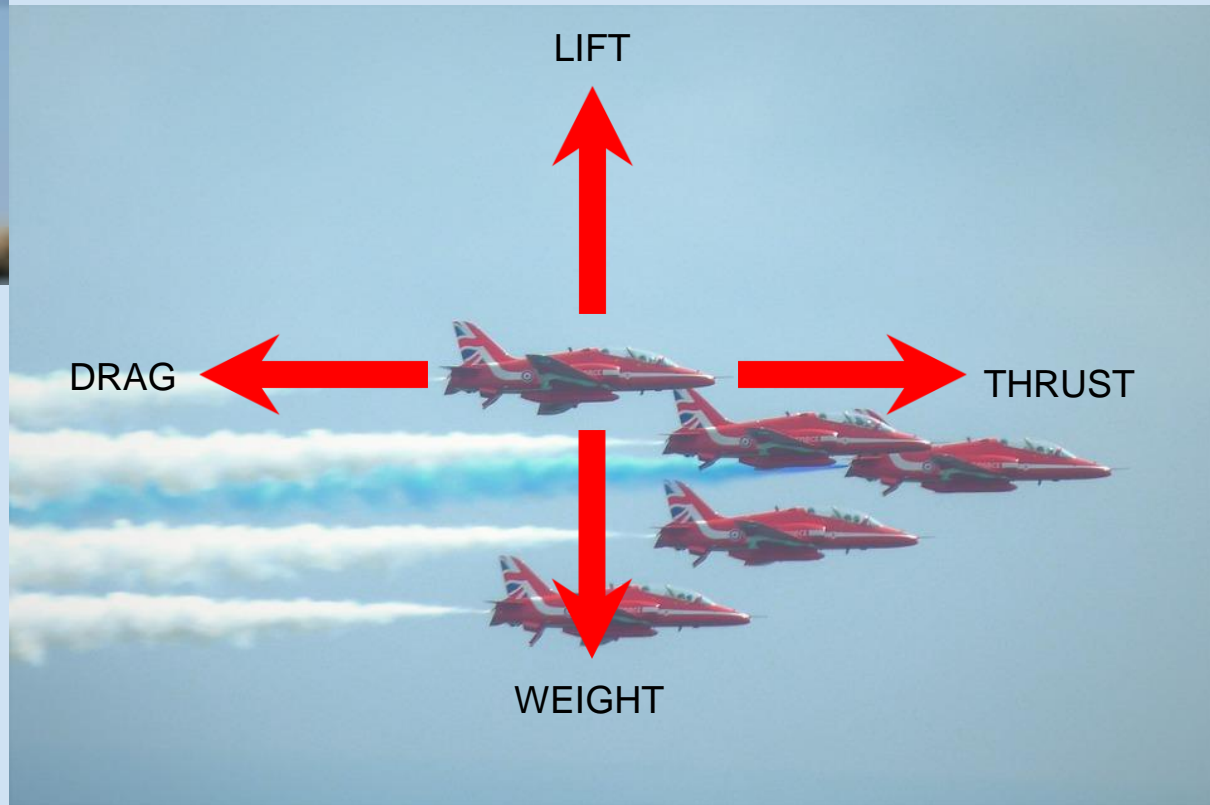
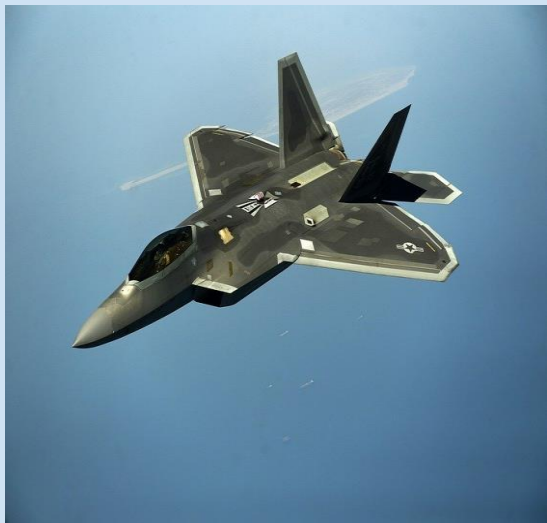




# ENGINEERING DESIGN PROCESS

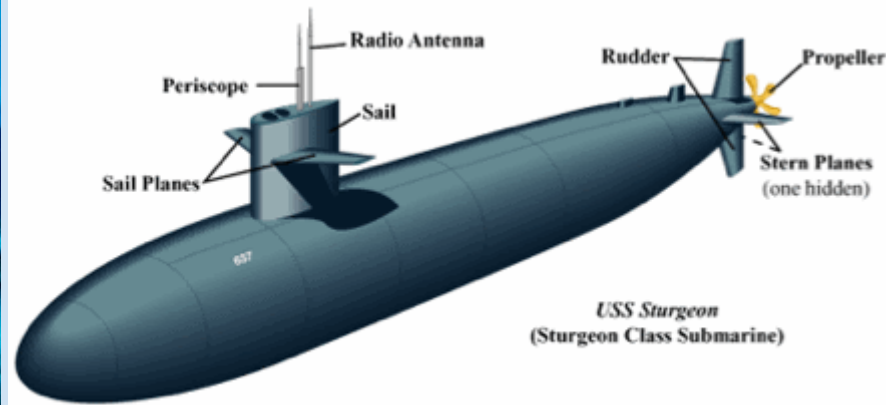


# Military Jets





# Sailing/ Submarines



*USS Sturgeon*  
(Sturgeon Class Submarine)

# Flooding/Sea Level Rise





# Slime



# Cooking



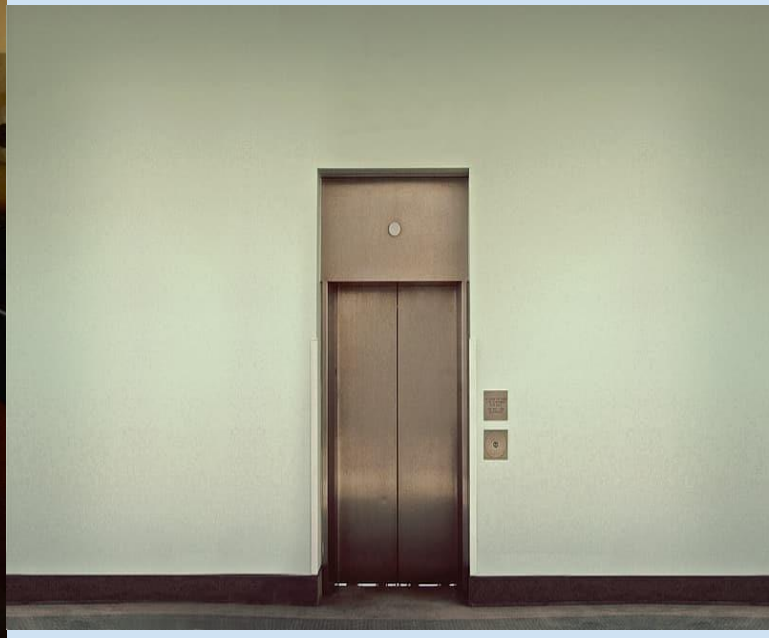


# Pools/Water Parks





# Elevators



# Forklifts

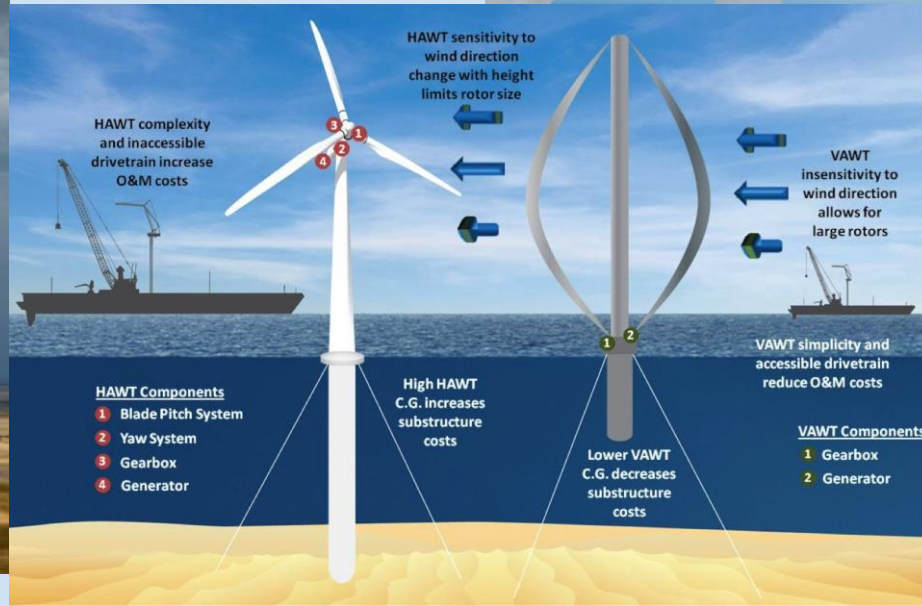


# Lubricants/Oil for Machines





# Wind Turbines



# Hoover Dam (dams)





# Hot Air Balloons



Now...we want to know more about your interests so we can design an awesome Engineering Lesson for your visit to ODU on April 23rd!

*On your handout:*

Please put an “X” by the **TOP 3** topics below that are most interesting to you!  
We are excited to hear your thoughts!  
Thank you for your participation today!  
We look forward to seeing you all on April 23rd!

