

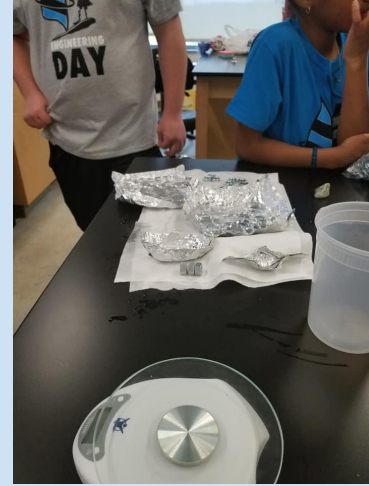
# ODU Ed+gineering Day Virtual School Site Visit



TaiKori Booker, Christopher Betton, Melanie Contee, and  
MaryDawn Carrier

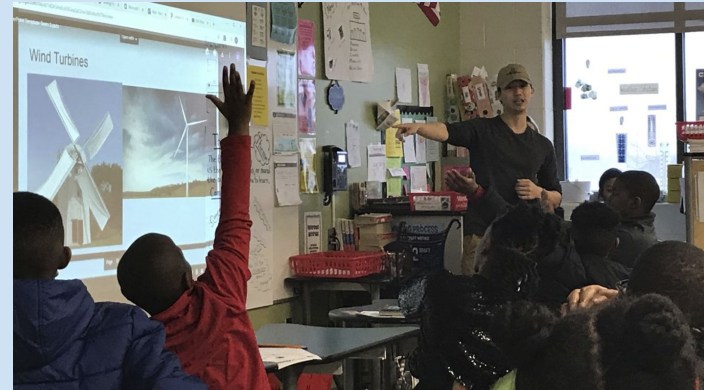
# Why are we here?

Your class will participate in a virtual field trip to ODU on April 13th and participate in an Engineering Challenge led by us!



# What are the ground rules for today's presentation?

1. Raise your hand - we want to be able to hear you!
2. Have your cameras on if you can.
3. Don't work ahead.
4. Pay attention to the topics we are going to talk about, we will ask you about them again :)
5. Have fun!



## The Name Game

Hello  
my name is

“Hi! My name is \_\_\_\_\_,

I like \_\_\_\_\_,

And when I am older I am going to \_\_\_\_\_.

I choose \_\_\_\_\_.”



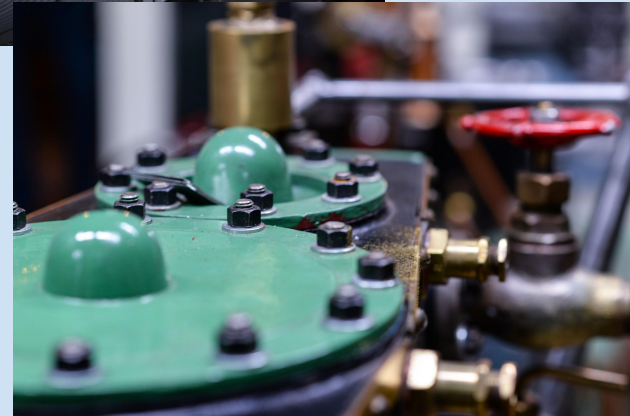
# What kinds of projects are ODU Engineering Students involved in?



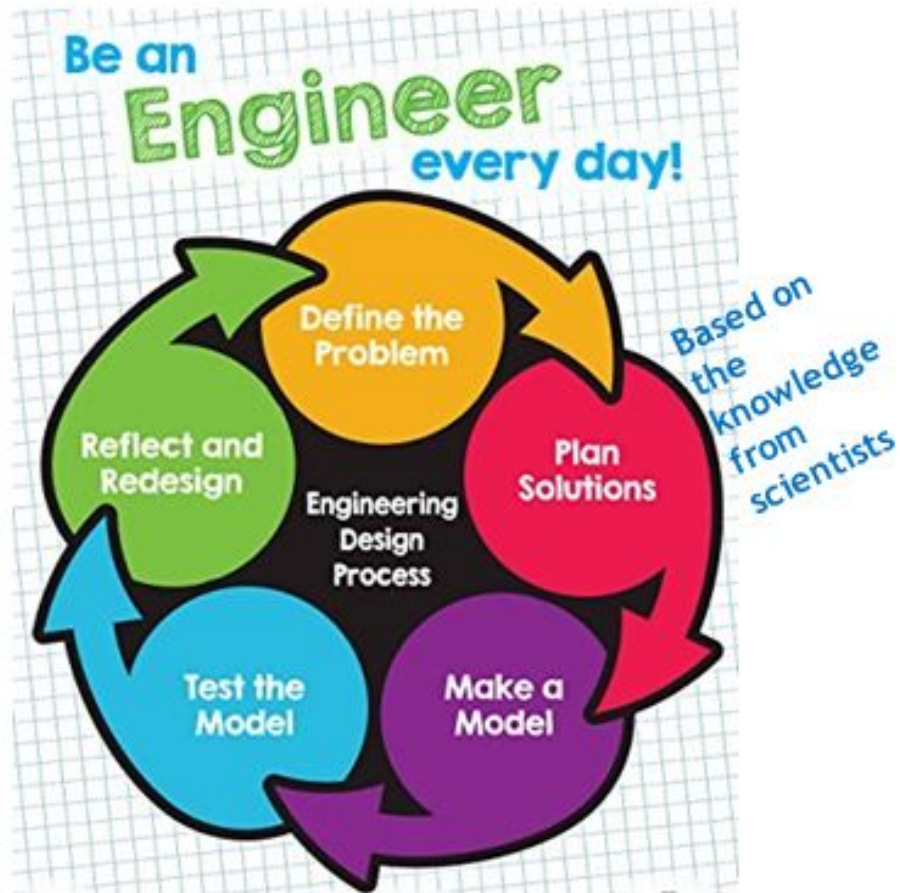


# Engineers are Designers/Inventors!

- 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



# Submarines



# Pools/Water Parks

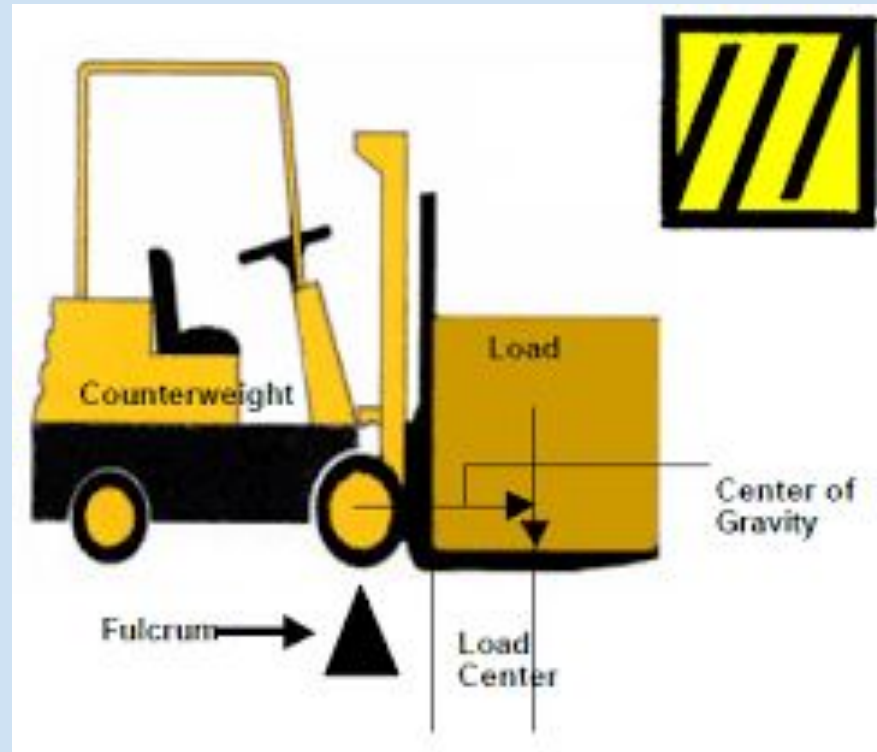




# Flooding/Sea Level Rise



# Forklifts





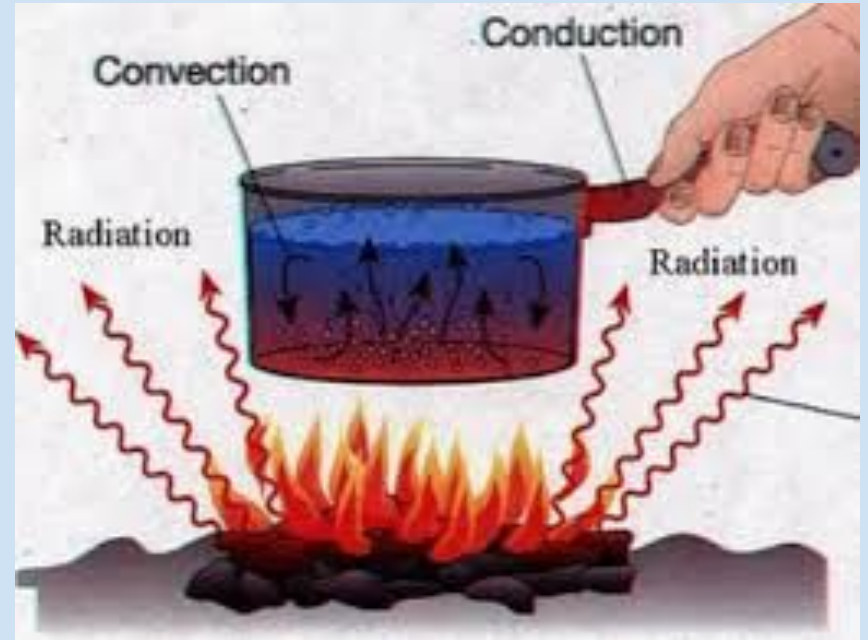
# Hot Air Balloons



# Slime



# Cooking





# Lubricants/Oil for Machines



# Elevators





# Wind Turbines



# Hoover Dam (dams)



Now...we want to know more about your interests so we can design an awesome Engineering Lesson for your virtual visit to ODU on April 13th!



*Go to the Google Form that is linked here:*

**<https://bit.ly/2YVhZN4>**

*In the Google Form you will answer:*

- If your friend asked you, “What do engineers do?,” what would you say?
- What steps can you remember from the Engineering Design Process (EDP)? Can you put them in order?
- Why is the Engineering Design Process important in engineering?
- Click on the **TOP 3** topics that are most interesting to you!
- Write a short paragraph (4-5 sentences) about why these three topics interest you most!



**Thank you for your  
participation today!**

**We look forward to seeing you  
all on April 13th!**