

# Let's Begin! What Are Waterslides?

- Do you know how they work?
- what is the importance of water on the slide?
- what are the safety precautions for waterslides?



# Engineering Design Challenge!

- Design a waterslide that will slide a rubber duck to the bottom the fastest



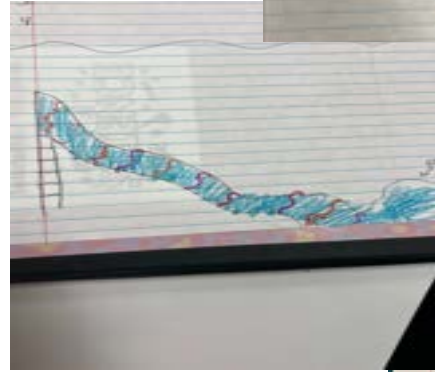
# ASK: THINK-PAIR-SHARE

- what can I do to create the best slide?
- How will I use the materials create the best slide?
- How can I create the right design for my slide?



# Imagine!

- Brainstorm how you are going to create your slide



# Materials!

- Rubber ducks
- Bendable pipe
- Bucket
- Duct tape
- wooden dowel rods

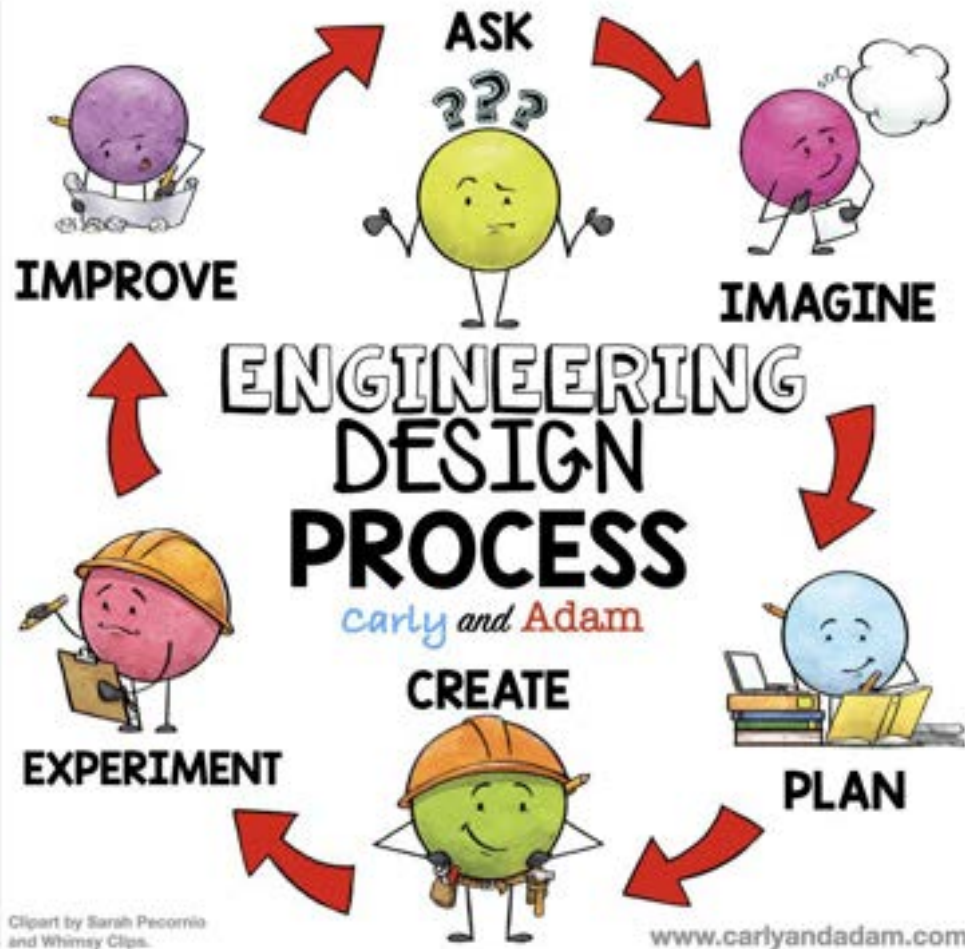


# Plan!

- Members of each group will come up with a design for their slide
- Choose one design that you and your group will create
- Look over the materials you will need to create your slide







# Test!

- Evaluate the way a rubber duck flows down the slide with water into the bucket at the end
- Evaluate the way a rubber duck flows down the slide with soap into the bucket at the end
- Evaluate the way a rubber duck flows down the slide with oil into the bucket at the end





# Can You Make Any Improvements On Your Waterslide?

- Do you think there is anything you can do to make your design better?
- Do you think your design is fine the way it is?
- Could more materials be used to improve your waterslide?



# What Did You Do To Improve Your Waterslide?

- Did you modify your design?
- Did you add any new materials?
- Did you not change anything?

