



MaryDawn



Melanie



Chris

Fluids slide into motion

An engineering design challenge



TaiKori

We are back with the
results from your survey!



And the winner is...

Water Parks!



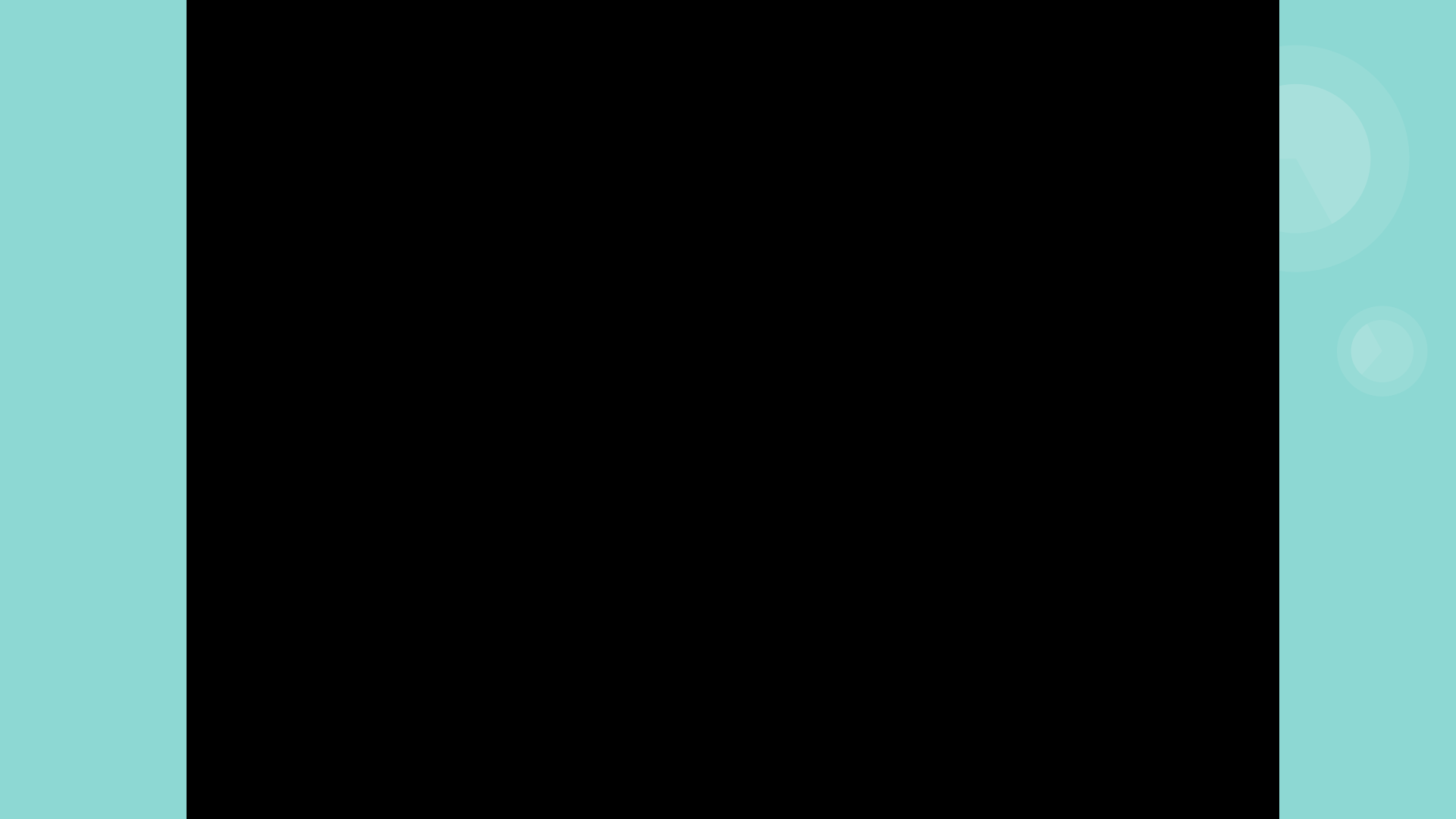
Tips for a Great Virtual Field Trip:

1. Raise your hand
2. Turn your camera on
3. Don't work ahead
4. Have fun!

*Safety: Keep all materials out of your mouth and away from your face!
Please be careful using your scissors!*

Be entered to win a prize for staying engaged and on task! This means you follow these tips, share a picture of your design at the end, and participate in the final Quizizz





What makes for a wild water slide?


Class Ideas: ????

padlet

MaryDawn CARRIER • 1m

What Makes A WILD Ride!

What do you think makes for a wild water slide ride?



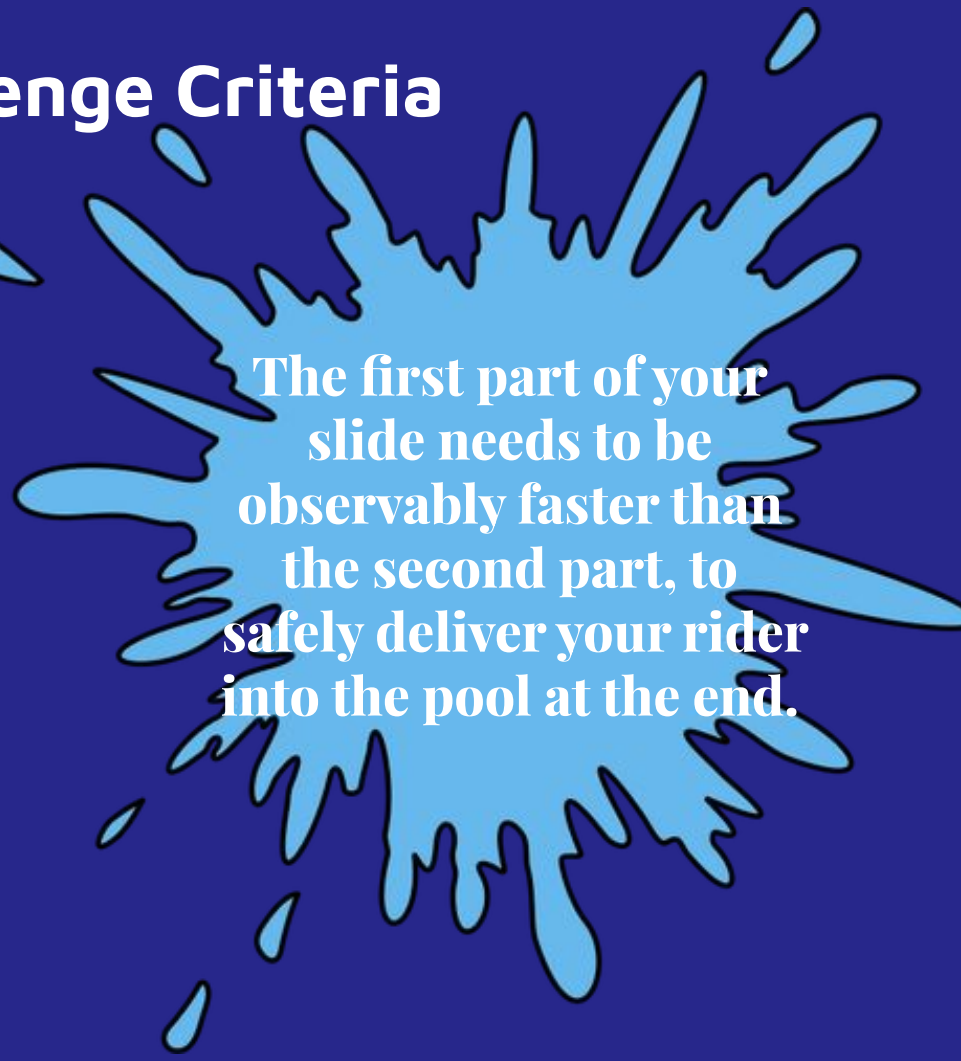
MaryDawn

Big drop!

Engineering Design Challenge Criteria

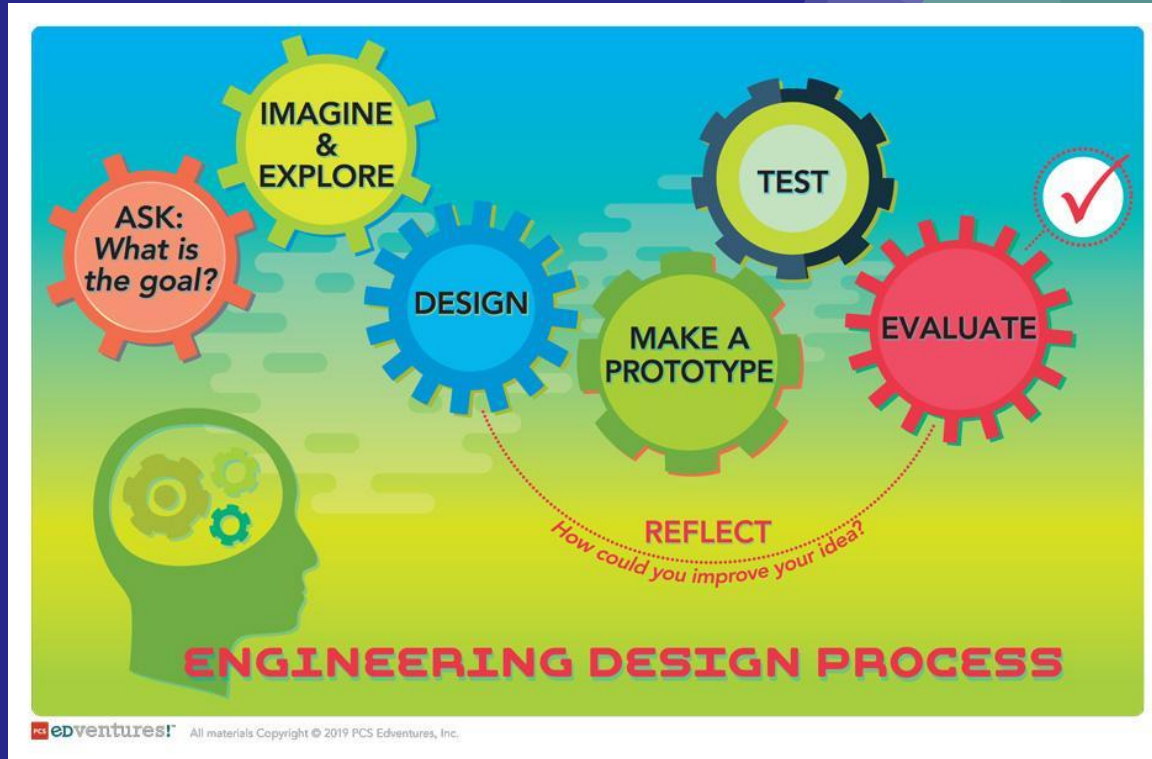


**The ride for
your
person/bead
needs to last
at least 4
seconds.**



**The first part of your
slide needs to be
observably faster than
the second part, to
safely deliver your rider
into the pool at the end.**

The Engineering Design Process



Elements of a water slide

What is in your bag?

Slide walls

Water

Frame and support

Collection Pool

- Cardboard tubes
- Paper straws
- Foil sheets
- Beads
- Bowls
- Tape
- Glue
- Cups
- Water bottles
- Popsicle sticks
- Cardboard sheets



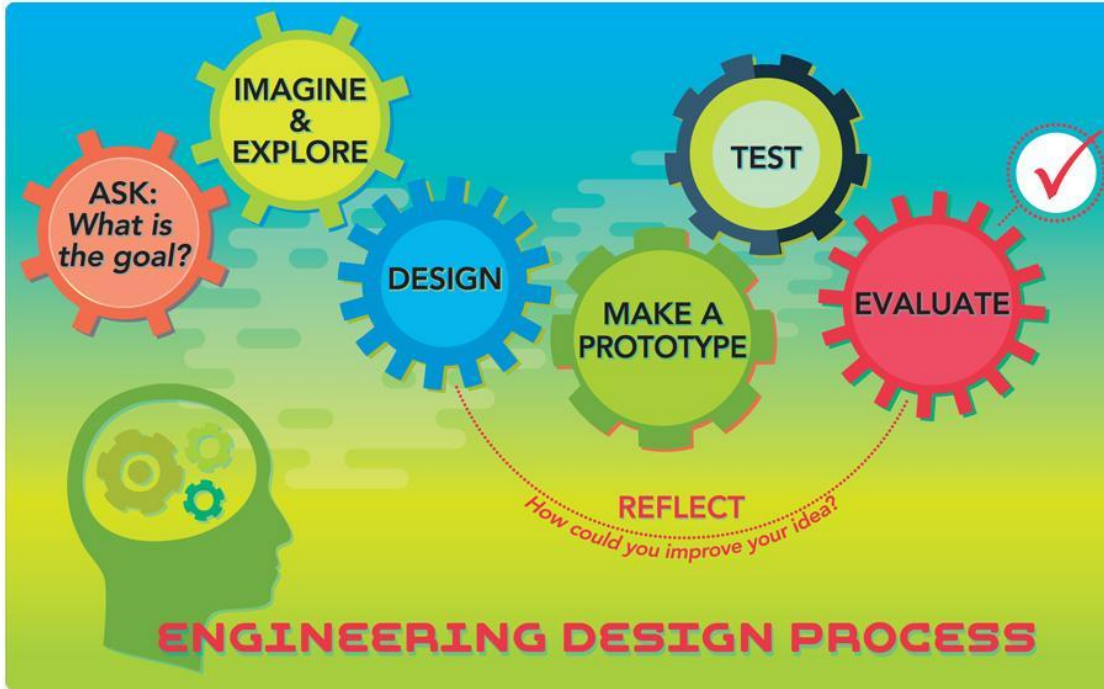
Be creative



**Any questions before we begin the
Engineering Design Process?**



The Engineering Design Process



30:00

Engineering Design Challenge

Your challenge was to design and build a water slide that delivered a wild ride while changing speed and lasting 4 seconds.

Share

Something you noticed

Something unexpected

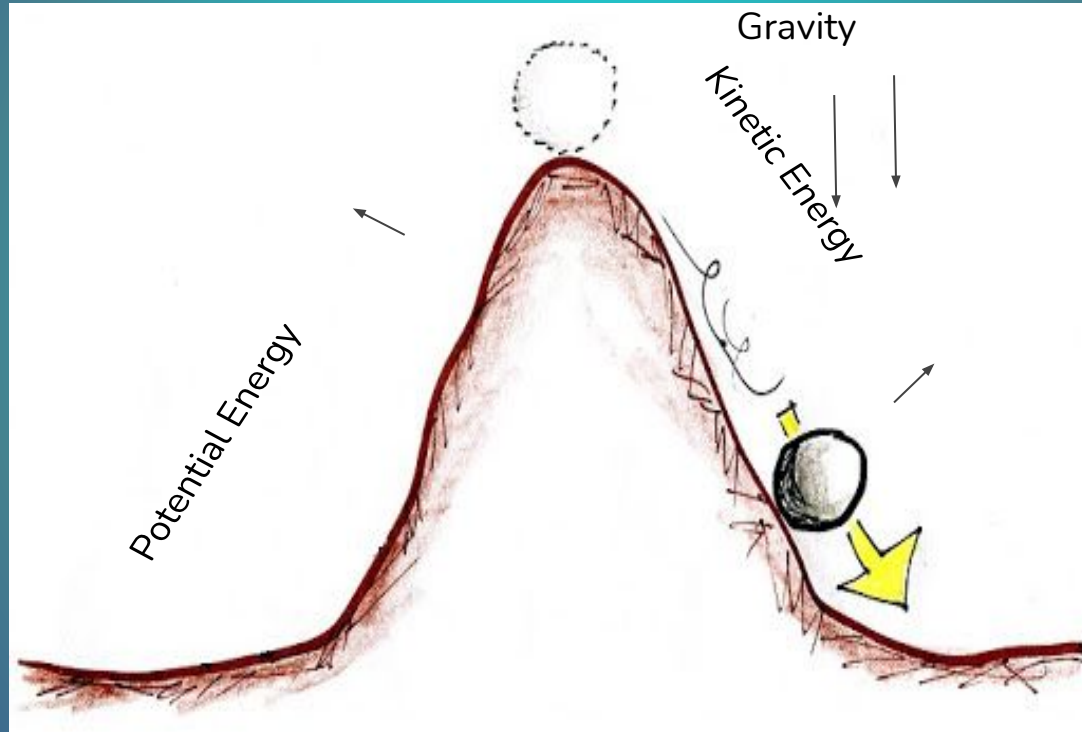
A challenge your overcame



How does a slide work?



How does a slide work?



Redesign

- Did I meet the challenge?
 - Was my ride 4 seconds?
 - Could I see a change in speed?
- What worked well?
- Did my slide work as designed?
- How could I improve my design?



Additional Challenge



DO YOU LIKE PRIZES?

You have completed your virtual field trip!

If you:

Complete the Quizizz

Post your slide picture

Show your creativity

TWO OF YOU WILL WIN A PRIZE! One winner will be chosen for Most Creative Design. The second winner will be the Most Engaged Student!

