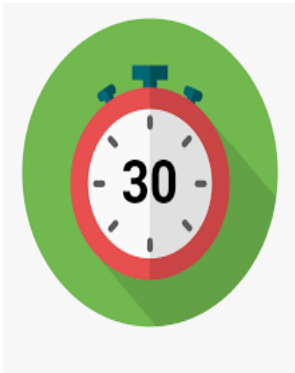


Science  
w/c 15.6.20  
Everyday Materials and  
Burly Bridges



15.6.20

LO: I can identify the best materials to create an object

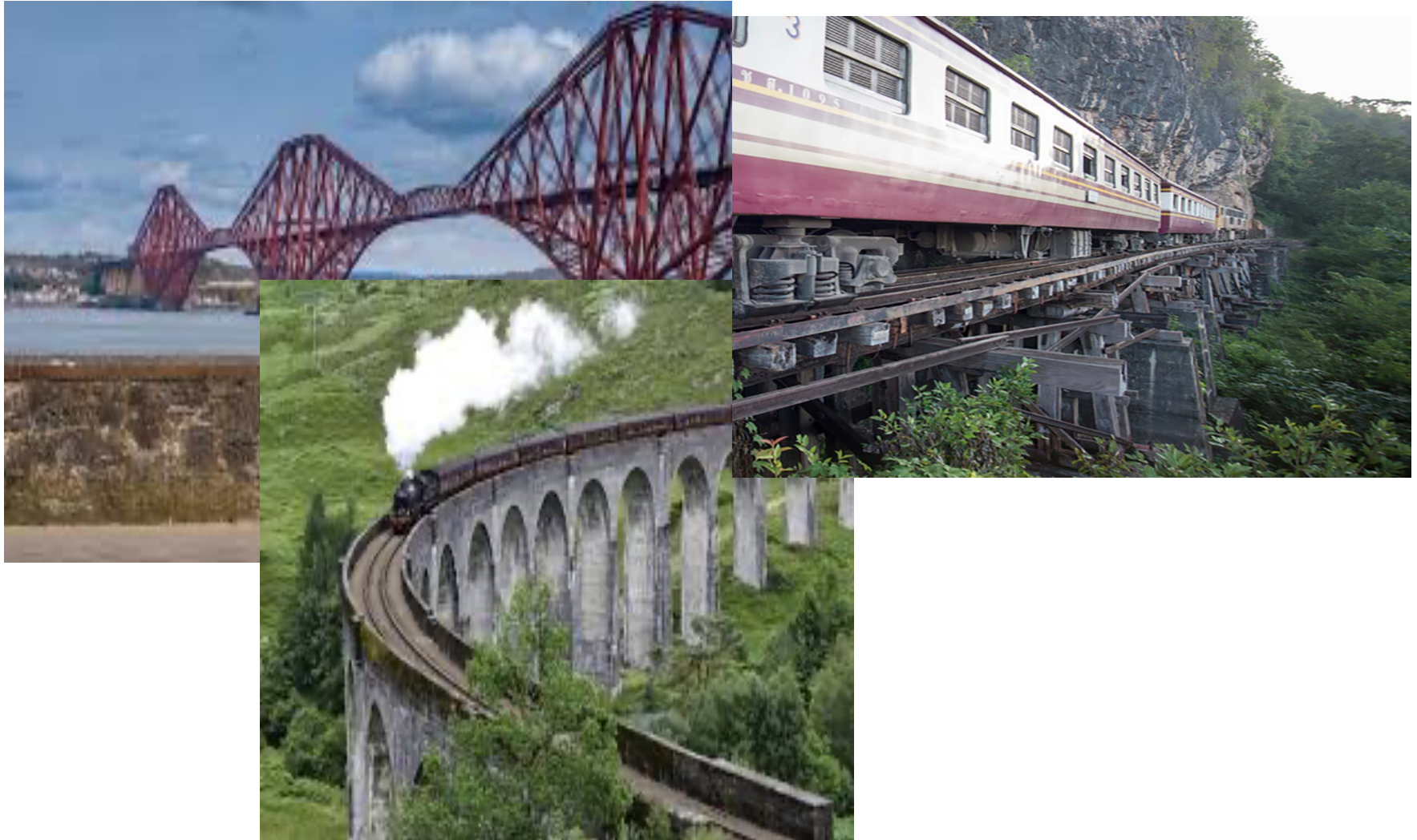


You have 30 seconds to name as many everyday materials as you can.  
Ready, Steady, Go!



15.6.20

LO: I can identify the best materials to create an object



15.6.20

LO: I can identify the best materials to create an object



What are they?

What do we use them for?

What is the same or similar about them?

What is different?

16.6.20

LO: I can identify the best materials to create an object



From which everyday materials do you think these bridges are made?

Explain why these material have been chosen.

16.6.20

LO: I can identify the best materials to create an object

This is the Forth Rail Bridge in Scotland.

It is made from steel.

What are the properties of steel?

Why is steel a good material to make a bridge?



16.6.20

LO: I can identify the best materials to create an object

This is another bridge in Scotland.

It is made from concrete.

What are the properties of concrete?

Why is concrete a good material to make a bridge?



16.6.20

LO: I can identify the best materials to create an object

This is a bridge in Thailand.

It is made from wood.

What are the properties of wood?

Why is wood a good material to make a bridge?





18.6.20

LO: I can identify the best materials to create an object

Now, you are going to try to build a mini bridge.  
Your bridge has to stand up on its own.



Think about these questions first as you plan your bridge

What materials will you use?

Why?

How will you make your bridge strong?

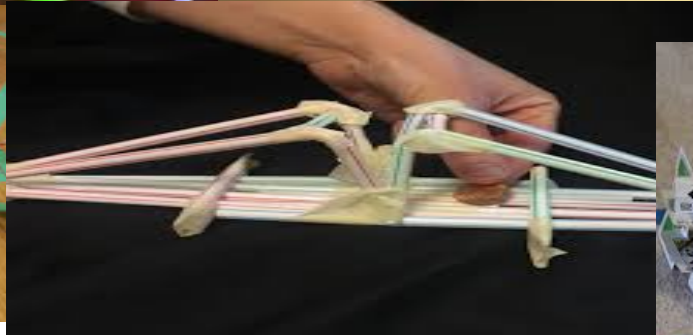
How will you make the bridge stand upright?

18.6.20

LO: I can use different materials to create an object



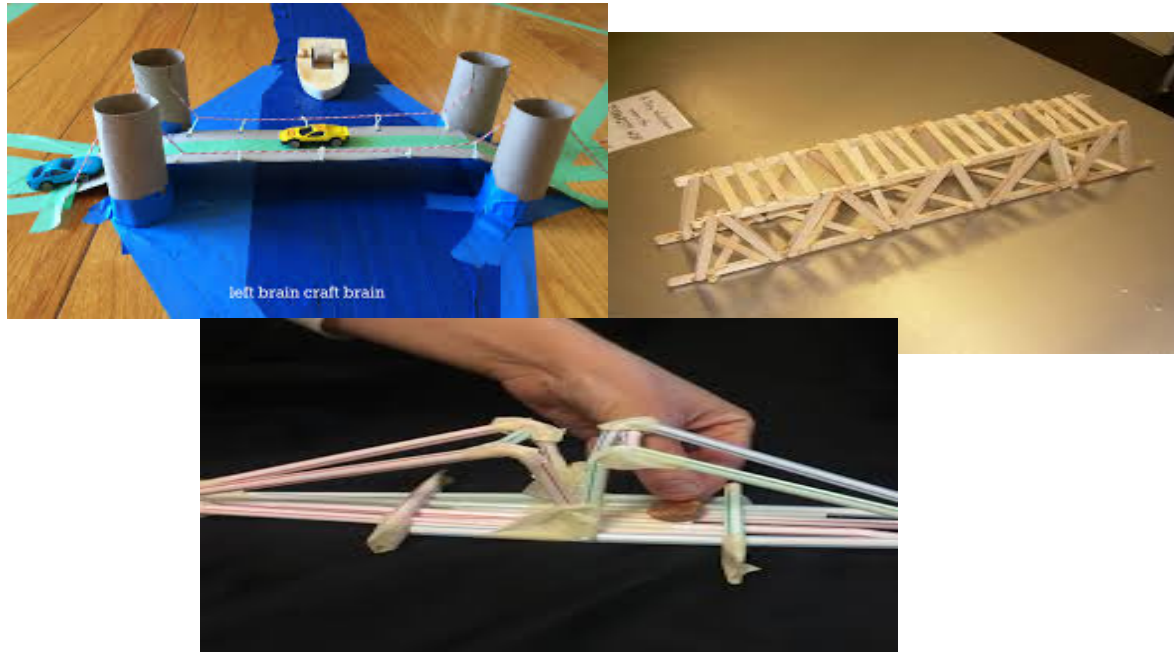
Here are some ideas to help...



19.6.20

LO: I can test and evaluate my bridge

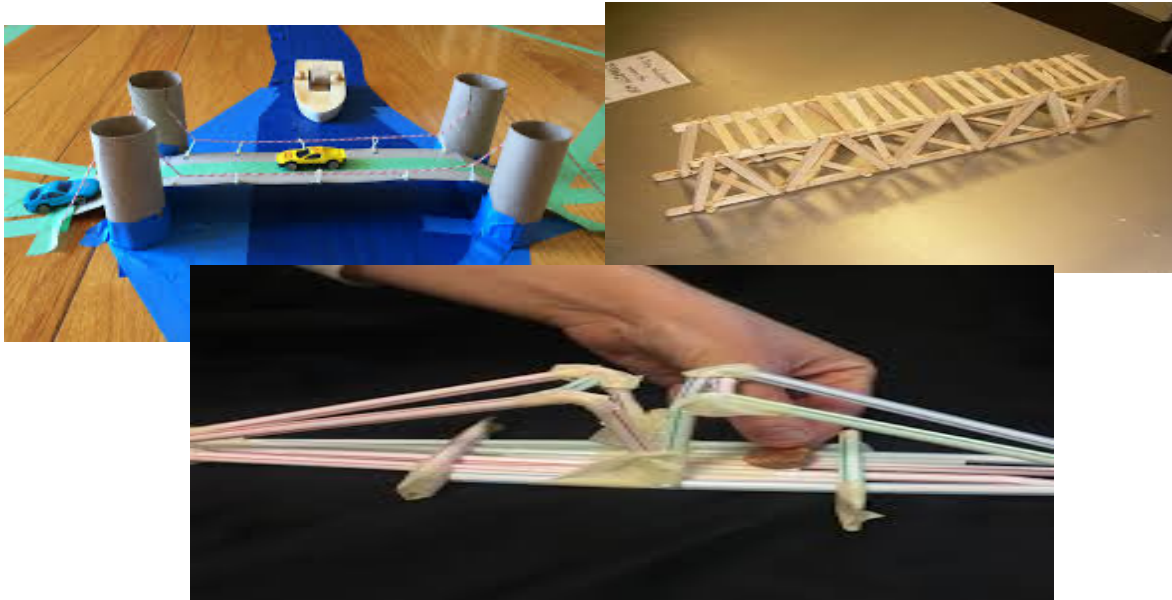
Like a real Scientist, Engineer or Architect,  
you are now going to test your bridge.



Can you put a small toy (like the car in the photo above onto the middle of your bridge for 20 seconds, without the bridge collapsing?

19.6.20

LO: I can test and evaluate my bridge



What has happened?

Why do you think this has happened?

If your bridge has collapsed, what could you change to make it stronger?

Repeat the test if your bridge collapsed and work out how you can change your bridge to make it secure.

19.6.20

LO: I can test and evaluate my bridge

Send me a picture of your bridge.  
I can't wait to see them!



# Scientific Vocabulary Mat



stretchy



wood



absorbent



waterproof



dull



shiny



not bendy



soft



glass



metal



water



rock



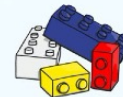
not waterproof



not absorbent



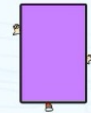
smooth



plastic



materials



opaque



hard



rough



stiff



bendy



transparent