

Three Little Pigs

with

Three Little Structures



The Three Little Pigs

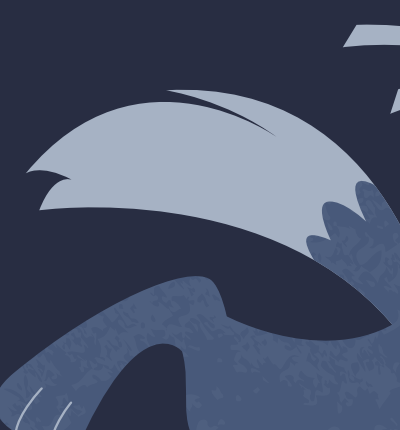
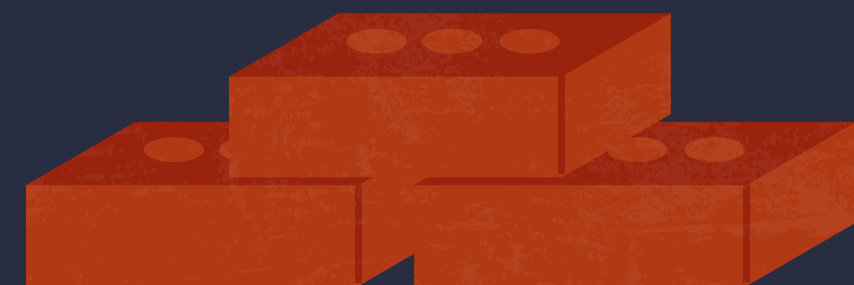
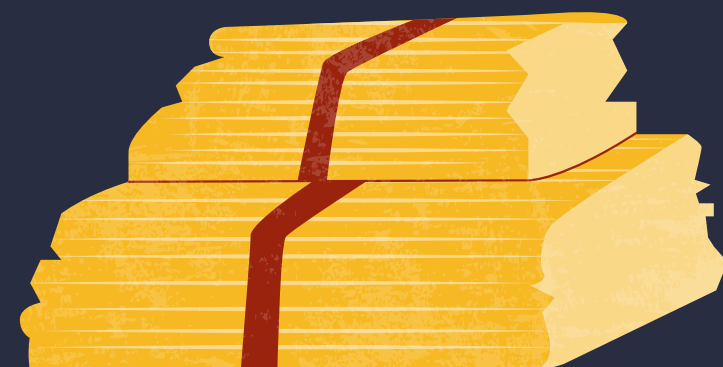
Do you know the story of The Three Little Pigs?



Vocabulary

Materials

Materials is the word for the kind of **'stuff'** that **objects are made of** (like wood, straw, or stone).

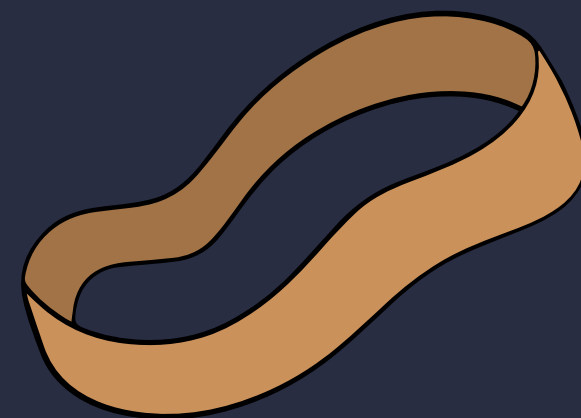


Vocabulary



Properties

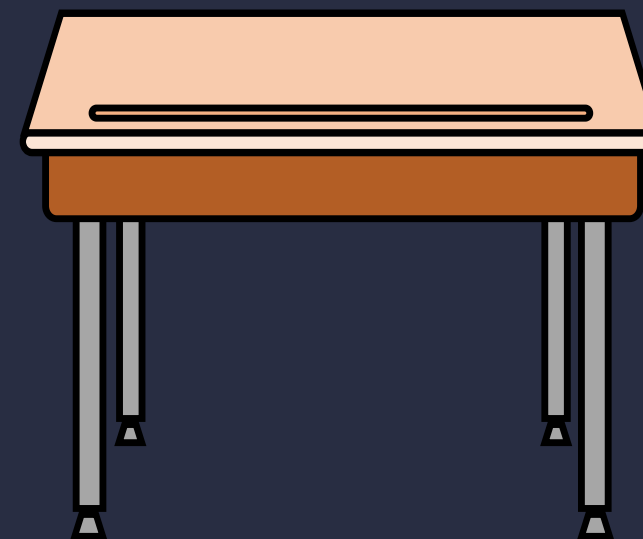
The words we use to **describe materials** (like hard, soft, or stretchy).



Vocabulary

Structures

Structures are **things that are made up of different materials** and serve a **specific purpose** (like a house, a chair, or a desk).



Vocabulary

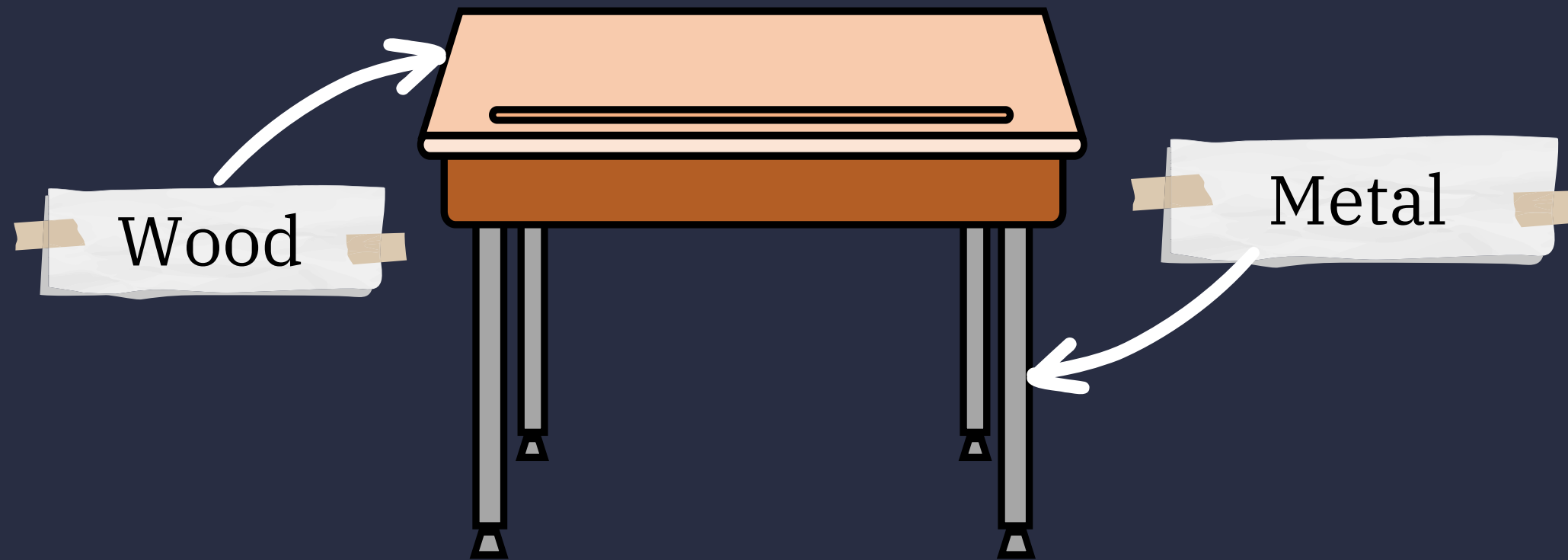
Function

What an object or structure is **designed to do** (for example, a chair is designed to hold you up).



Materials


What kind of materials can you think of?
(Hint: look at the objects and structures around you!)



Activity #1: What is it Made of?

Sort the objects into the right category, based on the kind of material the object is made of.

Step #1




Water bottle

I think it's made of plastic!

This panel shows a water bottle in a box labeled 'Water bottle' and a pig character with a thought bubble saying 'I think it's made of plastic!'.

Step #2



Water bottle

Plastic

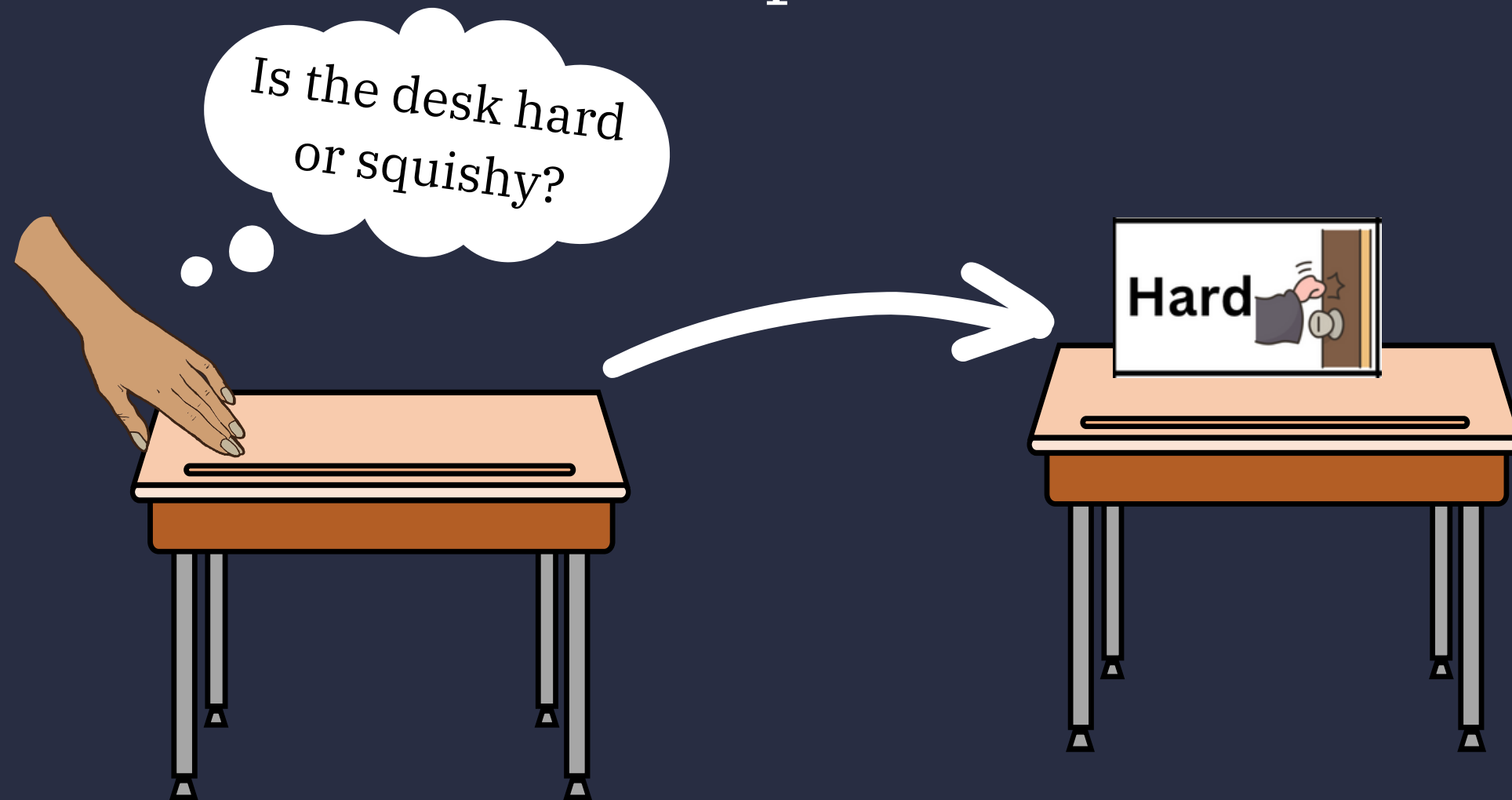
Water bottle

This panel shows the water bottle being moved from its box to a larger box labeled 'Plastic'. Inside the 'Plastic' box, the water bottle is now labeled 'Water bottle'.

Activity #2: Materials and their Properties

Each card has a property of a material on it. Go around the room and place each card on different **objects or structures that suit that property.**

Step #1



Step #2

Have a class discussion about why you put certain properties with different objects/structures.

Why might that material have been used for that object/structure?

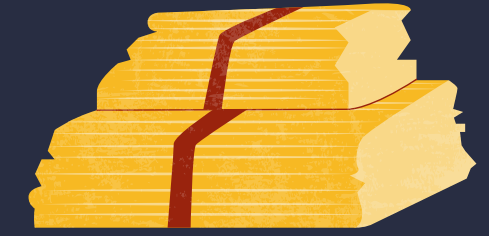
Extension: Scientific Experimentation Process

Take a turn at each station and experiment with the material that's there.



Is it hard or soft?
Can you build things with it?
Does water roll off it or does it absorb?
Does it feel rough or smooth?
Is it light or heavy?

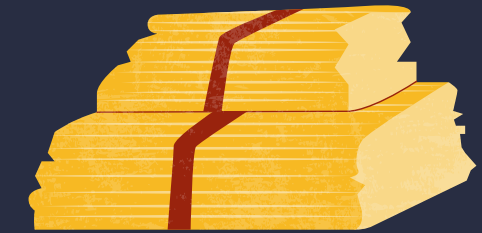
Properties of Materials



The first little pig built his house out of **straw**.
What kind of **properties** does straw have?



Properties of Materials



Class Discussion

Why would straw make a good material or bad material for this structure?

Think of how this structure would do with different kinds of weather!



Properties of Materials



The first little pig built her house out of wood.
What kind of **properties** does wood have?



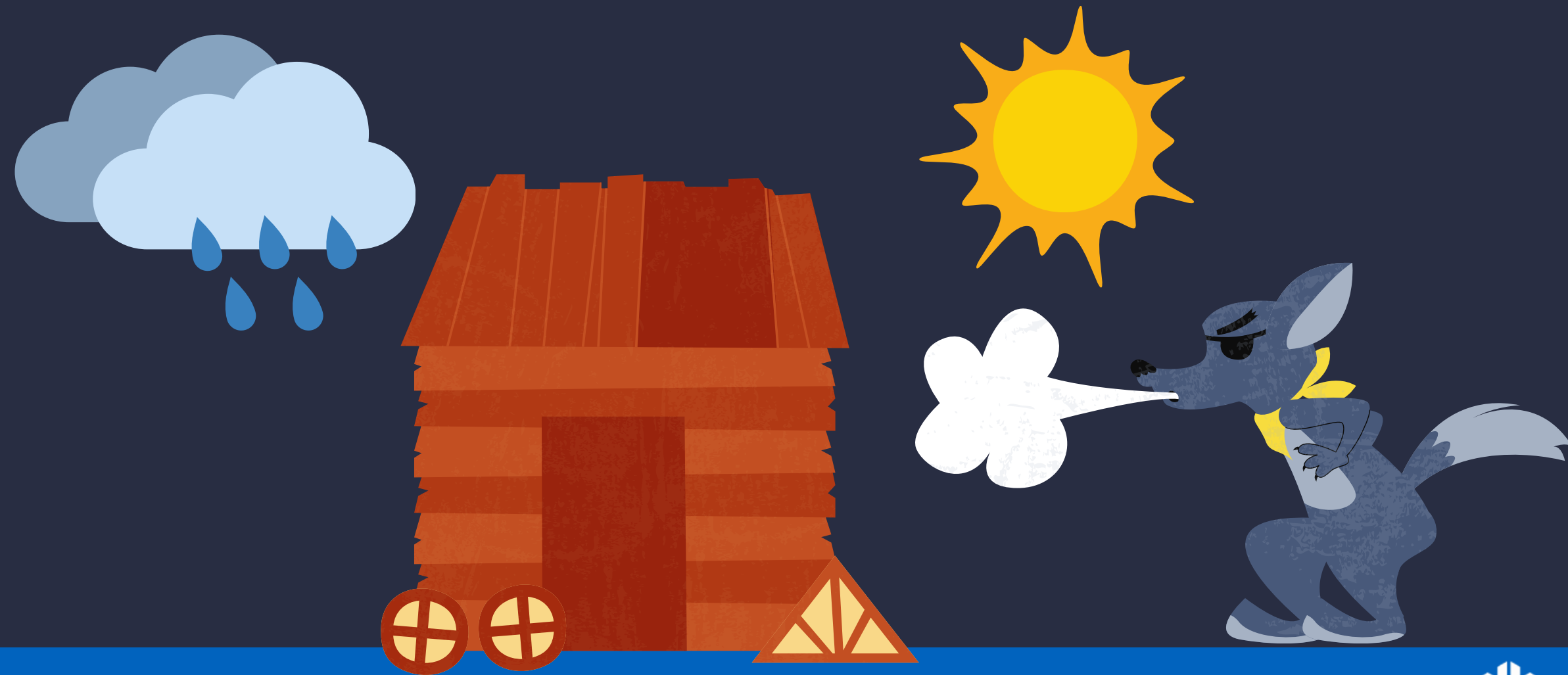
Properties of Materials



Class Discussion

Why would wood make a good material or bad material for this structure?

Think of how this structure would do with different kinds of weather!



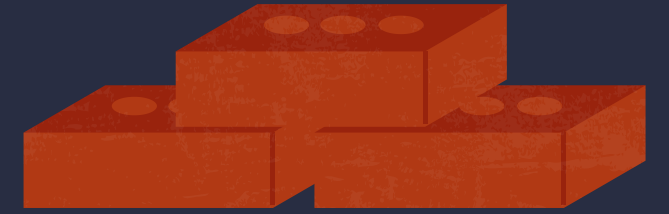
Properties of Materials



The first little pig built his house out of **bricks**.
What kind of **properties** do bricks have?



Properties of Materials



Class Discussion

Why would stone make a good material or bad material for this structure?

Think of how this structure would do with different kinds of weather!



What did we learn today?

