

Build a Bridge



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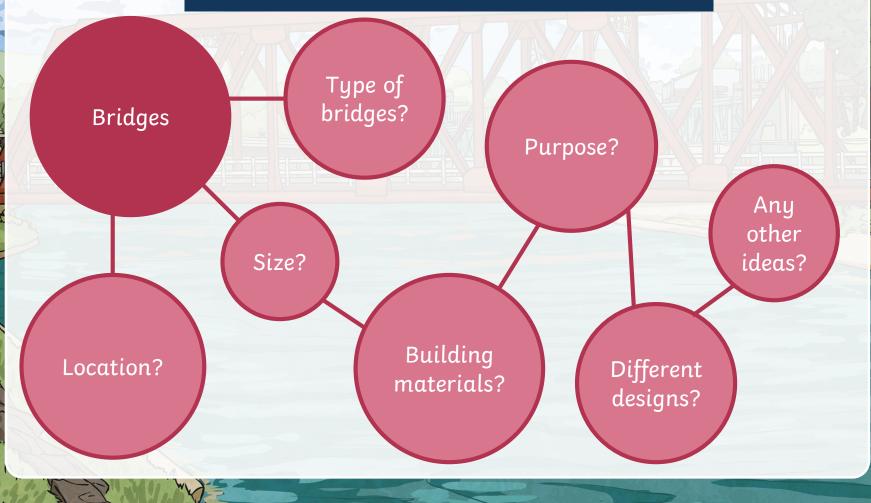
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What Is a Bridge?

Let's see what you already know about bridges.

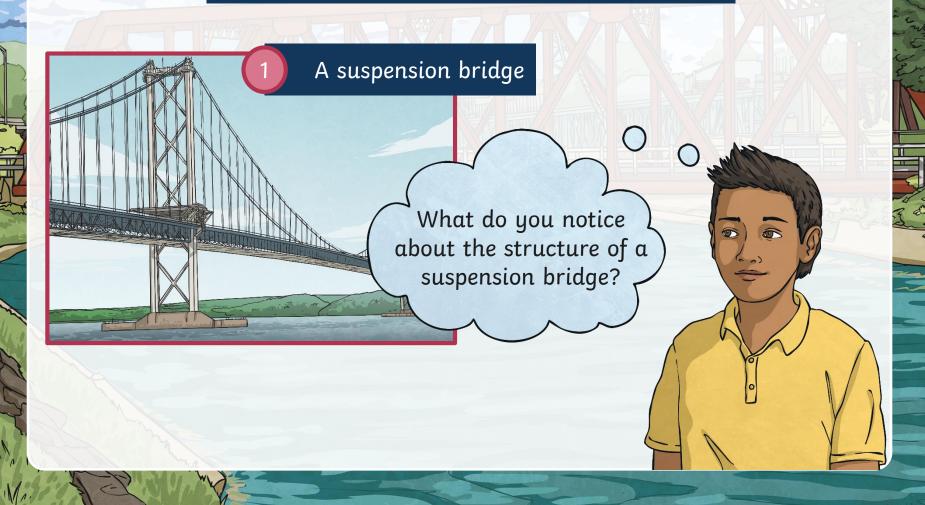


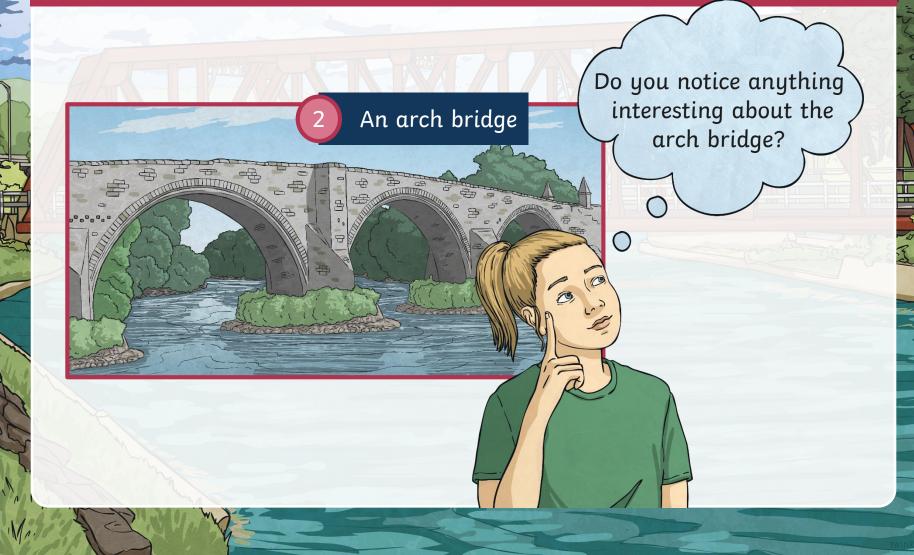
What Is a Bridge?

A bridge is a special structure that makes it possible for people and vehicles to cross over obstacles such as water and roads.

It must be strong enough to hold itself up and to carry the weight of whatever travels across it.

There are six main types of bridge.



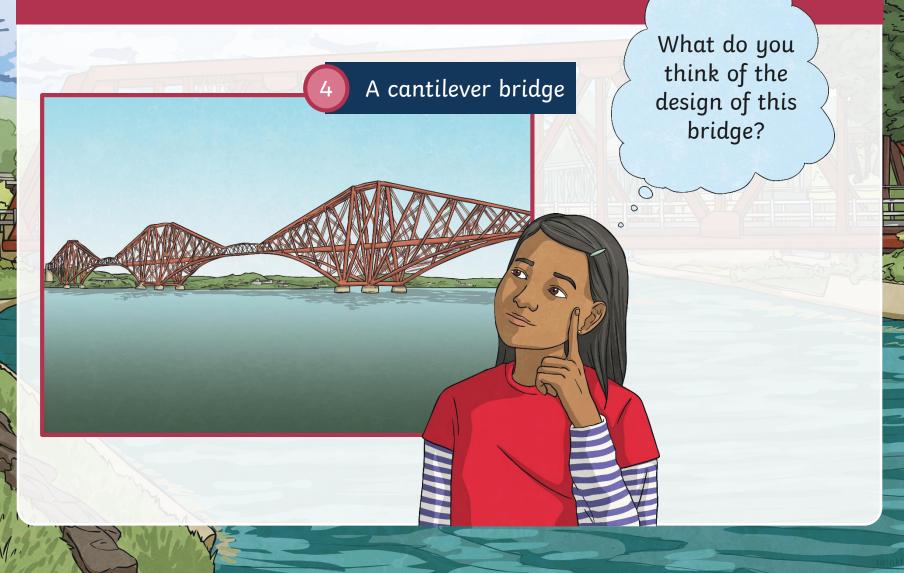


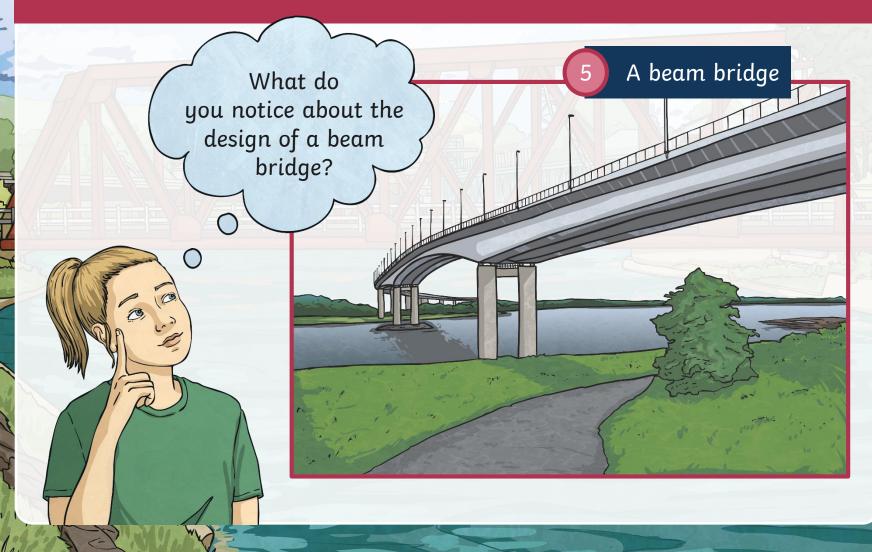
What do you notice about a cable-stayed bridge?

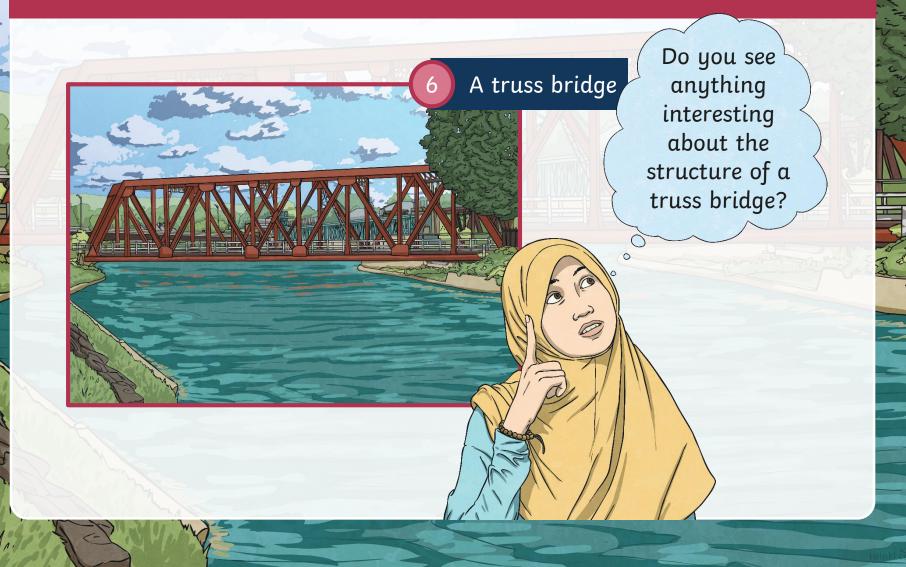
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A cable-stayed bridge

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Some things to think about...

How will you make the structure of the bridge strong?

What features will you add to strengthen the bridge?

What material will you choose for the bridge? Why?

What challenges do you think you might face when building the bridge?

Build a Bridge

Now, it's your turn to design and build a bridge.

First

Next

you will need to experiment with the shape and the materials that you plan to use.

you will need to draw and label a plan for the bridge.

Then

once your bridge is constructed, you can test it to see if your structure is sturdy and strong.

Good luck!





