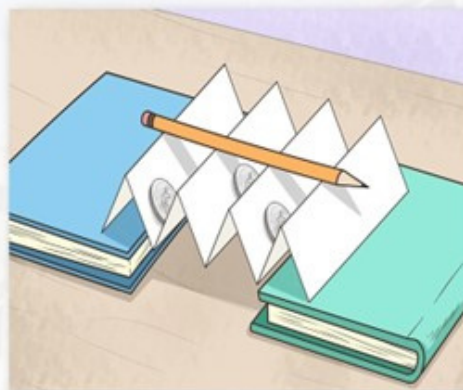




STEM-BRIDGES CHALLENGES

Bridge Samples and Inspiration

Some sample ideas that may inspire...Which design will be the best?



Review

Was paper a good material to use to build your bridge?

What did you have to do to your paper to make it stronger?

What would you do differently next time?

What other materials could you use to make your bridge stronger?

READING COMPREHENSION

THE OLDEST BRIDGES

The oldest bridge in the world, the Arkadiko Bridge, was built more than 3,000 years ago during the Bronze Age by Mycenaean Greeks.

This ancient 72-foot bridge is still used by modern Greeks. The arch bridge is an impressive feat of engineering, as it does not use any binding agent to hold itself together.



When built: 1333

Location: Lucerne, Switzerland

Who built it: Lucerne town fathers

Length: 557 feet (170 Metres)

Kapellbrucke or Chapel Bridge, is a wooden pedestrian bridge that spans the Reuss River in Lucerne in Switzerland and is one of the most visited tourist sites in the country.

The bridge was built in 1333 and is named after the nearby St. Peter's Chapel. A noteworthy feature is the octagonal water tower, whose gabled roof was rebuilt after a fire in 1993.

The bridge also features roof panels depicting important events in Swiss history and mythology.

INFORMATION REPORT WRITING

Complete the graphic organiser about this bridge. Write 4 simple sentences using key words from the text.



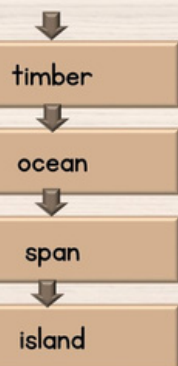
First Sentence

Second Sentence

Third Sentence

Fourth Sentence

Suggested Keywords



Paragraph- Put your sentences together

Edit me

STEM FUN

INDIVIDUAL AND TEAM CHALLENGES



Bridge Samples and Inspiration

Some sample ideas that may inspire...Which design will be the best?



Review

Was paper a good material to use to build your bridge?
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CHALLENGE 2

CAN YOU BUILD A BRIDGE THAT MEETS THE FOLLOWING CRITERIA?

You can only use straws and masking tape.

Your bridge must span a 30cm gap.

Your bridge must be strong enough to hold the weight of 7 small cubes.



BRIDGE CHALLENGE

INFORMATION WRITING

Complete the graphic organiser about this bridge. Write 4 simple sentences using key words from the text.



First Sentence

Second Sentence

Third Sentence

Fourth Sentence

Paragraph- Put your sentences together

Edit me

Suggested Keywords

pylon

ocean

landmark

Sydney



nctions. Because of new materials, bridges can be

it could have terrible results.



CHALLENGES

CHALLENGE 4

BUILD A BRIDGE THAT MEETS THE FOLLOWING CRITERIA:

and wood glue.

cm gap.

enough to hold the weight of 8 small cubes.

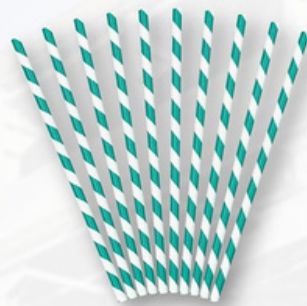
CHALLENGE 3

BUILD A BRIDGE THAT MEETS THE FOLLOWING CRITERIA:

paper clips, and string.

cm gap.

enough to hold the weight of 8 small cubes.



CHALLENGE 1

BUILD A BRIDGE THAT MEETS THE FOLLOWING CRITERIA:

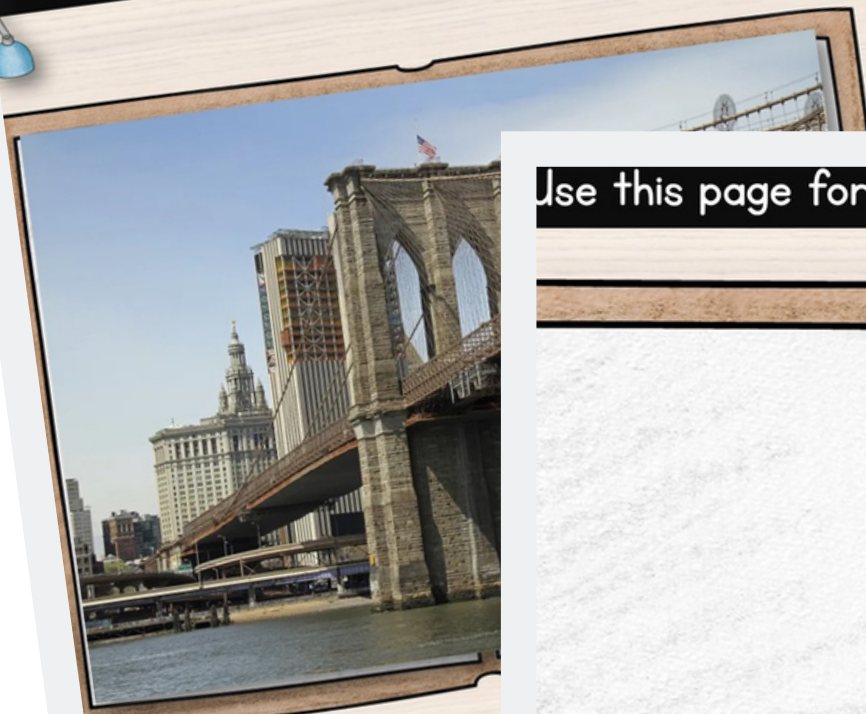


enough to hold the weight of 5 small cubes.



WRITING

Complete the graphic organiser about this bridge



Suggested Keywords

Brooklyn

road

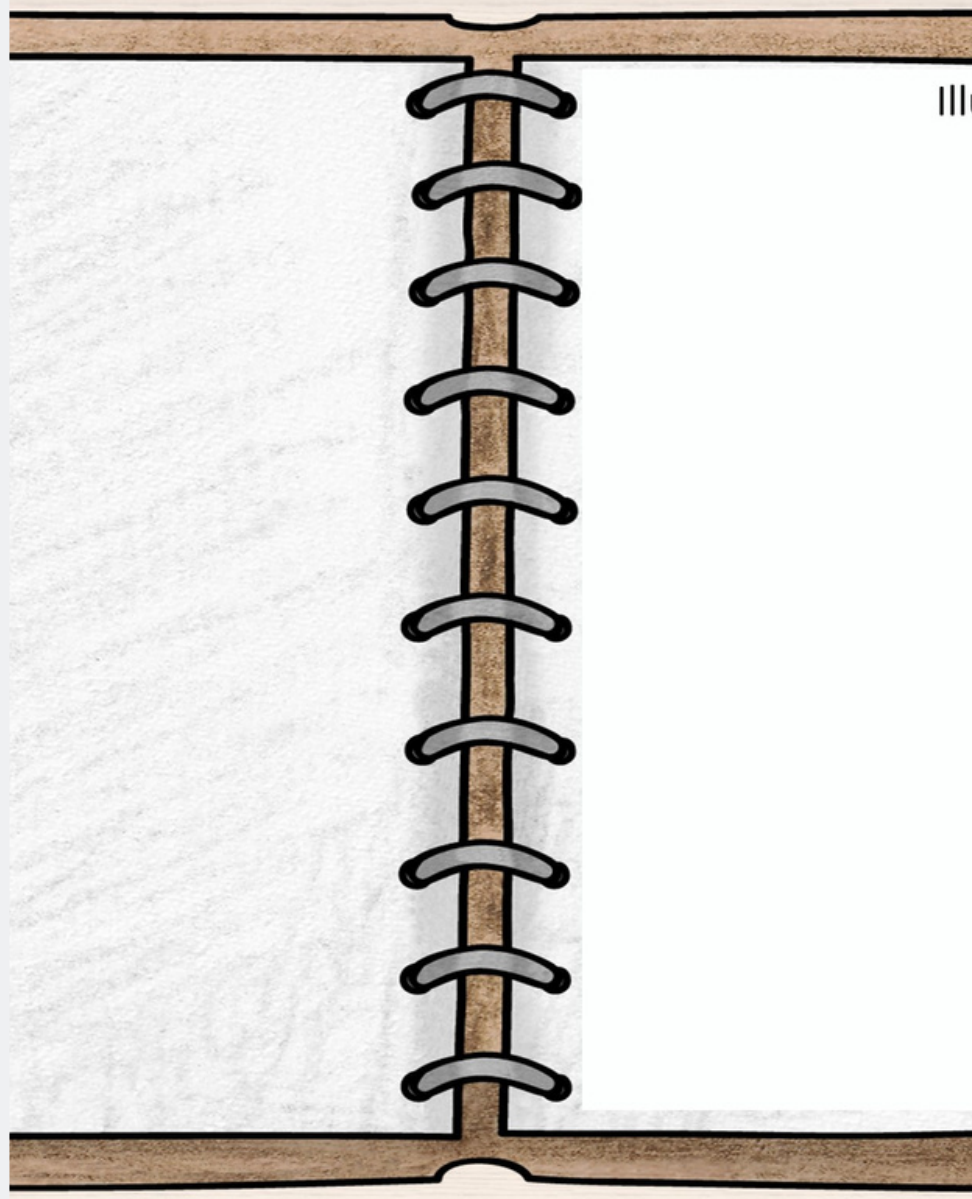
landmark

span

Write sentences using key words from the text.

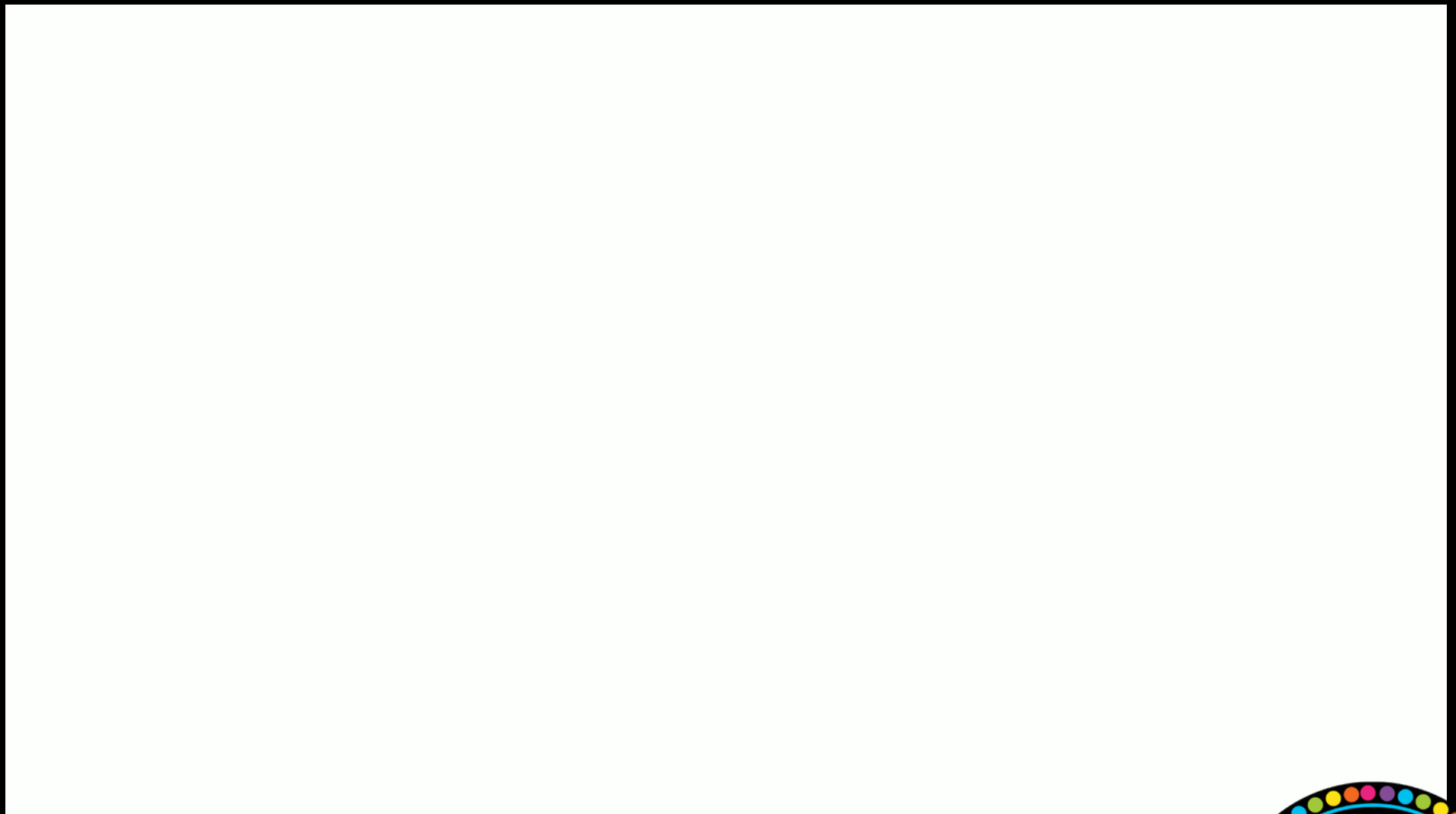
Second Sentence

Use this page for your final copy and illustration.



Fourth Sentence

BRIDGES-VIDEO



SUPPORT MATERIAL



