



Key Vocabulary

Bridge - a structure built over a river, railroad, or other obstacle, that allows people to travel across.

Construct – to build something

Materials - anything used for building or making something else.

Properties – the characteristics of something

Strong - not easy to break or harm.

Stiff – not easy to bend.

Sturdy - strong, hardy, or solid.

Stable - fixed, firm, or steady in position; not shaky or easily moved.

Structure - a thing made up of a number of parts joined together in a certain way.

Component – a part of something

Design - to make or draw plans for the structure or form of.

Evaluate – to study carefully and judge

Key Knowledge

1. To identify and name wooden, concrete, stone and metal parts of bridges
2. To talk about the properties of materials used to make bridges and why they would have been chosen
3. To understand that a wider based helps to make a stable structure
4. To design a bridge and explain your design to others
5. To select appropriate equipment and materials to make designed bridge and evaluate

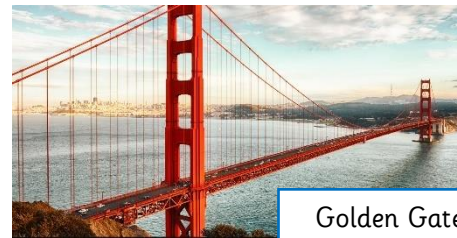
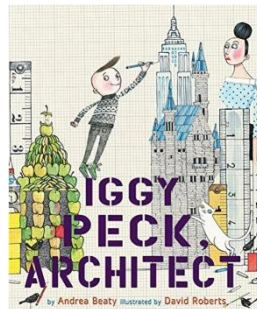


Design Robins: Building Bridges

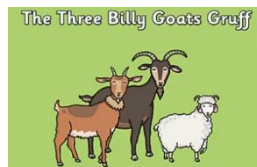
Materials

- Plastic
- Wood
- Glass
- Metal
- Ceramic
- Paper
- Felt
- Stone
- wool

If you were making a bridge for ants to cross a pond which materials would you use and why?



Golden Gate Bridge – San Francisco, California, USA



Tower Bridge – London, England

Can you think of any local bridges?

