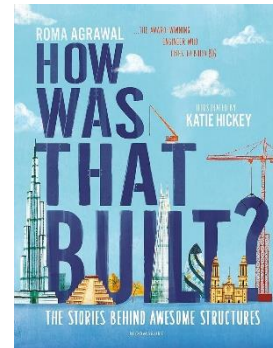


Bridges



Key Vocabulary:

Engineer	A person who designs and creates a product
Bridge	A supportive structure that links two places together, often over water
Structure	A building or other object that is constructed from more than one part
Material	The matter from which a thing is, or can be made
Join	To fix two or more objects or materials together
Joint	A place where two objects or materials are joined together
Template	A shape that is made to be used to build a structure more easily
Drawing	A picture of a structure that is to be made
Mock-up	A first-draft of a structure that is to be made, used to identify any problems
Design	An annotated drawing of a structure, based on a brief
Tool	Something that is used to construct or make something else
Evaluate	Think about our learning, identify problems and make a plan to do better
Cutting	The action of slicing something into pieces



Key Knowledge and Skills

We will be reading about Roma Agrawal, a structural Engineer to help us with our learning. We will learn the skills of how to be a great engineer, inspired by Roma.

We will be learning about different types of bridges, designing and building bridges by testing different materials.



Golden Gate Bridge



Tower Bridge



Sydney Harbour Bridge



Moselle Viaduct