

Discovery

The Bridge and Beyond



Foundation

Your students will go on a journey of discovery as they are immersed into the properties and uses of different materials. They will experiment with building techniques as they make an aluminium foil boat and a bridge and explore the properties of fabric. Your students will share what they have made and what they have learnt and at a showcase.

Rationale

Through an exploration of the properties of materials, students are able to use different materials to construct designed solutions.

Essential questions

- What are the different properties of different materials?
- How do we use different materials?
- How do we construct a display?

Glossary

smooth, foldable, hard, sharp, soft, stretchy, shiny, hot, cold, rough

Rich assessment task

Your students will make an aluminium foil boat and build a bridge. They will share what they have made and what they learnt with visitors at a showcase.

Future action

Students will appreciate and consider the properties of materials of things that they use in their lives. They will consider the properties of different materials when they embark on a design project of their own.