



**Stuart Road Academy
Science Curriculum**

Termly Overview

**Year 2 Term 1 Towers,
Tunnels and Turrets/ Uses
of Everyday Materials**

Unit Overview

Teach children about design, structures and materials. This project develops children's knowledge of how to successfully design and build model bridges and buildings. Linked science investigations: Can you make a paper bridge?

Knowledge, Skills and Concepts

Build a bridge to:

- perform simple tests
- identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses
- find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching

Cross-curricular links

DT – Building strong structures

Art - sculpture

Local Science links

Tamar Bridge, Plympton Castle

Assessment

Children make informed choices about materials and shape them appropriately to form a bridge.

Engage – Visit from Nick Knight

Innovate – Make a fortress for the Three Little Pigs