



# Bridge and Beyond

## Discovery

F / K / P

### Summary

Students will discover the properties and uses of different materials and use words to describe them. They will learn to make and test predictions and compare their results with their predictions. Using the story of the Three Billy Goats, students will work in groups of three throughout the unit to create models of a goat, troll, and bridge using different materials. They will use their models to act out their own version of the story and share their learning in the 'Bridge and Beyond: Showcase'.

### Essential Questions

How can we use materials for different purposes?

What are the properties of different materials?

### Rationale

By exploring the properties of materials, we can select and use different materials to construct designed solutions.

### Future Action

Students will consider the properties of different materials when they embark on independent design projects. They will work collaboratively with others when designing and building. Students will be more confident when making and testing predictions.