Shady Shadows

**Activity One**

Choose several tall objects in your school grounds. With a classmate, measure how long the shadow of each object is. At the same time, measure the length of a shadow made by a metre ruler. Use these measurements to estimate the height of each object.

**Activity Two**

Stephanie and Mihi are studying shadows. At 10 a.m., they measure the shadows of a rugby goalpost and a shrub. Stephanie thinks that this means the rugby goalpost is twice as high as the shrub. Is she right? How do you know?

**Investigation**

With a classmate, investigate how the length of a shadow cast by a metre ruler changes as the day passes. (Try measuring every hour.)