



## Shadow Play - Teacher Notes

*Shadows can be lots of fun to observe and play with.*

To tie in with the theme of day and night and to introduce the concept that the Earth rotates, you can track the size and position of student's shadows.

Use a clear area outside, such as a basketball court, or alternatively a large piece of paper. Get students to work in small groups to mark where their shadow is pointing and how tall it is at a few intervals during the day, making sure they always stand in the same spot to make the measurements.

You could use chalk if you're working on a hard surface or even take photographs with iPads and compare the pictures. Formal measurements could be made with pieces of string or measuring tapes.

**Extension:** A graph could be constructed of the height of the shadows of everyone in the class at a certain time of day, comparing this to their actual height.

