



## Me and my shadow

### Background knowledge

The Sun is a very powerful light source. When sunlight shines on a wall, it makes the wall bright. If you place a solid, opaque object in front of the wall, the sunlight cannot pass through it and a shadow forms on the wall. Because Earth is rotating, the Sun seems to move across the sky, casting different shadows from morning (sunrise) to evening (sunset).

### Science activity

The morning Sun was shining through the window in Tony's home, casting an interesting shadow of a vase on the table. Tony thought it looked great, and wanted to show his father when he came home from work. If there was still sunlight coming through the window in the afternoon, draw how the shadow looked when Tony showed it to his father.

