

Urban Pioneers: SCIENCE- Investigating shadows

| LO - Find patterns in the way shadows change throughout the day. | | | |
|---|--------|----|---------|
| Success Criteria | | Me | Teacher |
| Observe how shadows change. | Yellow | | |
| Follow instructions to carry out an investigation. | Yellow | | |
| Measure and record the results of the investigation. | Green | | |
| Explain how longer and shorter shadows are created. | Green | | |
| Make sure the investigation is a fair test. | Green | | |
| Use what you have learnt to make predictions about where the shadow would be an hour later. | Purple | | |
| Compare how the width and length of the shadow changes. | Purple | | |

Prediction

Will your shadow change throughout the day? How? Why do you think this?

Method

Work in pairs. One child is the shadow maker and one child is the shadow marker. The maker stands in a fixed position while the marker draws around their shadow. Both children then measure the length of the shadow. Go outside and stand in the same position and repeat every

We will make it a fair test by...
