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| **Earth and Space** | **Working Scientifically** | | |
| * Can they describe and explain the movement of the Moon relative to the Earth? * Can they describe the Sun, Earth and Moon as approximately spherical bodies? * Can they use the idea of the Earth’s rotation to explain day and night and the apparent movement of the sun across the sky? | **Planning** | **Obtaining and presenting evidence** | **Considering evidence and evaluating** |
| * Can they suggest predictions? * Can they use their findings to draw a simple conclusion? | * Can they explain their findings in different ways (display, presentation, writing)? | * Can they find any patterns in their evidence or measurements? * Can they make a prediction based on something they have found out? * Can they evaluate what they have found using scientific language, drawings, labelled diagrams, bar charts and tables? * Can they use straightforward scientific evidence to answer questions or to support their findings? |
| **Challenge** | | | |
| * Can they create shadow clocks? | * Can they use test results to make further predictions and set up further comparative tests? | * Can they take measurements using different equipment and units of measure and record what they have found in a range of ways? | * Can they report findings from investigations through written explanations and conclusions? * Can they use a graph or diagram to answer scientific questions? |