



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 6 COURSE NAME: Science
MEASUREMENT TOPIC: Explain the Patterns of the Earth, Sun and Moon

4

- In addition to Score 3, the student makes in-depth inferences and applications.

3

- **Construct an evidence-based explanation of how the relative positions of the sun and Earth result in observable phenomena, including day and night cycles, length of year, and seasons.**
- **Construct an evidence-based explanation of how the relative positions of the sun, moon, and Earth result in observable phenomena, including lunar cycles, eclipses, and tidal cycles.**

2

- **Manipulate models to demonstrate the patterns of motion of the sun, Earth, and moon.**
- Synthesize information from phenomenas that cause patterns such as day and night cycles, length of year, seasons, lunar cycles, eclipses, and tidal cycles.
- Distinguish the recurring patterns that the relative positions of Earth, Sun, and Moon cause.

1

With help, a partial understanding of some of the simpler details and processes and some of the more complex ideas and processes.

Key Vocabulary: