



Oxford City Schools

# Proficiency Scale

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**GRADE LEVEL: 6      COURSE NAME: Science**

**MEASUREMENT TOPIC: Explain the Causes and Effects of Tectonic Plate Movement**

**4**

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

**3**

- **Construct an evidence-based explanation of how tectonic plate movement impacts Earth's surface over geological time.**
- **Construct an evidence-based explanation of how Earth's internal energy flows between its surface and its interior.**

**2**

- **Construct and explain how the movement of lithospheric plates can cause major geologic events and form Earth's surface features, including convergent, divergent, and transform boundaries; earthquakes; and volcanoes**
- Explain the direction of convection current flow.
- Identify the composition of Earth's layers, including the asthenosphere and lithosphere.

**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:**