



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 6 COURSE NAME: Science
MEASUREMENT TOPIC: Explain the Changes of the Earth

4

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

3

- **Develop and use models to demonstrate the processes that form rocks and cycle Earth's materials.**
- Explain the physical and chemical processes that form rocks.
- Explain how different geologic processes have changed the Earth's surface and characteristics over time.

2

- **Analyze data from rock strata and the fossil record to construct a chronology of occurrences in Earth's history.**
- **Construct an evidence-based explanation of how rocks are classified as metamorphic, igneous, or sedimentary based on their characteristics and the process of the rock cycle.**
 - Identify the physical and chemical processes that form rocks.

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: weathering, erosion, deposition, constructive/destructive processes, crystallization, heating and cooling, weathering and erosion, compaction and cementation, melting