



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 4 COURSE NAME: Science
MEASUREMENT TOPIC: Analyze Earth's Changes Over Time

4

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

3

- Plan and carry out investigations to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, and vegetation.
- Analyze and interpret data from maps to describe patterns of Earth's features on land and in the ocean.
- Construct explanations of Earth's changes over time through slow and rapid processes, citing evidence found in rock formations and fossils in rock layers.

2

- Develop and use a model to describe how water moves through Earth's systems by the processes of evaporation, condensation, and precipitation.
- Describe factors that contribute to the rate of change of landforms.
- Identify various features of land maps.

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: constructive, deconstructive, vegetation, deposition, topographic maps