Grade Level:4th Grade
Course Name:Science

Proficiency Scale

Oxford City Schools

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

4	In addition to Score 3.0, make in-depth inferences and applications.
3	☐ Design, test, and evaluate a solution that will protect humans from the effect of natural Earth processes. ☐ 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 landforms.
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

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