



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 6 COURSE NAME: Science
MEASUREMENT TOPIC: Describe How Energy Transfers on Earth

4	<ul style="list-style-type: none">• In addition to Score 3, the student makes in-depth inferences and applications.
3	<ul style="list-style-type: none">• Construct an evidence-based explanation of how the sun’s energy drives the motion and cycling of water through the hydrosphere. (8)• Plan and carry out an investigation to determine the differences in rates of energy transfer from the sun to air, to land, and to water via conduction, convection, and radiation.• Develop and use a model that illustrates how differences in heat and pressure affect density and the relationship between density and convection.
2	<ul style="list-style-type: none">• Recognize how energy is transferred on Earth through conduction, convection and radiation.• Identify the way(s) energy move in Earth systems.

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

Key Vocabulary: