



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 10-12 COURSE NAME: Physical Science
MEASUREMENT TOPIC: Explain Thermal Energy Movement

4	In addition to Score 3, the student makes in-depth inferences and applications.
3	The student can: <ul style="list-style-type: none">• Justify a material based on its use using specific heat• Explain using data, how thermal energy is transferred by conduction, convection, and radiation
2	The student can: <ul style="list-style-type: none">• Use mathematical and computational thinking to determine the quantitative relationship among temperature, pressure and volume of confined gasses.• Predict phase changes of a material based on particle motion using<ul style="list-style-type: none">• Temperature• Pressure• Thermal energy

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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: