



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 10-12 COURSE NAME: Physical Science
MEASUREMENT TOPIC: Identify Nuclear Processes

4	In addition to Score 3, the student makes in-depth inferences and applications.
3	The student can: <ul style="list-style-type: none">• Use mathematics and computational thinking to identify types of radioactive decay.• Generate and defend a data-based claim regarding the use of radioactive materials as an energy source.
2	The student can: <ul style="list-style-type: none">• Use models to explain how nuclear fission and fusion reactions can be used as energy sources.• Explain how radioactive decay changes a radioactive isotope over time.
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: