



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 11 COURSE NAME: Physics
MEASUREMENT TOPIC: Analyze the Circular Motion of Objects

4	In addition to Score 3, the student makes in-depth inferences and applications.
3	The student can: <ul style="list-style-type: none">• Apply Newton's Law of Gravitation to solve problems and make claims regarding bodies in circular orbits.• Apply uniform circular motion equations to solve problems and make predictions regarding bodies in circular orbits.
2	The student can: <ul style="list-style-type: none">• Explain the relationship between force, mass, and acceleration of an object on a circular path.• Describe the components of uniform circular motion.• Determine the distance and displacement of an object in a circular path.
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: Force, mass, Acceleration, Newton's Law of Gravitation, circular, radius