



Oxford City Schools

# Proficiency Scale

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**GRADE LEVEL: 10-12      COURSE NAME: AP Physics**  
**MEASUREMENT TOPIC: Apply Kinematics Concepts**

**4**

In addition to Score 3, the student makes in-depth inferences and applications.

**3**

The student can:

- Describe the motion of an object moving in two dimensions
  - conceptually
  - mathematically
  - graphically
- Mathematically identify the components of vectors that relate to an object's motion.

**2**

The student can:

- Describe the motion of objects as measured by observers in different inertial reference frames.
- Describe the position, velocity, and acceleration of an object using representations of that object's motion.

**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:**