



Oxford City Schools

# Proficiency Scale

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**GRADE LEVEL: 11      COURSE NAME: Physics**

**MEASUREMENT TOPIC: Analyze Data to Solve Problems in Two Dimensional Motion**

**4**

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

**3**

The student can:

- Use mathematics and computational thinking to solve problems using kinematic equations in 2-D motion.
- Analyze and interpret data to explain changes in the vector quantities of position, velocity, and acceleration in 2-D projectile motion

**2**

The student can:

- Analyze changes in horizontally vs non-horizontally launched projectiles.
- Resolve projectile motion into horizontal and vertical components.
- Describe motion characteristics of a projectile.

**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:**