



Oxford City Schools

# Proficiency Scale

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**GRADE LEVEL: 10-12      COURSE NAME: AP Physics**  
**MEASUREMENT TOPIC: Analyze Conservation of Linear Momentum**

**4**

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

**3**

The student can:

- **Analyze data to verify the conservation of momentum in one and two dimensions.**
- **Predict how changing a given mass, speed, or angle would affect other quantities.**

**2**

The student can:

- **Investigate collisions to identify the type of collision based on Conservation Laws.**
- **Describe the relationship between impulse exerted on an object or a system and the change in momentum of the object or system.**

**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:**