



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 11 COURSE NAME: Physics
MEASUREMENT TOPIC: Analyze Fluid Systems

4

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

3

The student can:

- **Design solutions to determine how an object's motion is affected by the buoyant force .**
- **Plan and carry out investigations to experimentally determine the density of objects.**

2

The student can:

- **Use computational thinking to determine the relationships among pressure, force, area, and density.**
- **Utilize free body diagrams to determine the acceleration of submerged objects.**

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: