



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 11 COURSE NAME: Physics

MEASUREMENT TOPIC: Communicate Information Regarding All Types of Waves

4

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

3

The student can:

- **Use results of investigations to explain the production and characteristics of sound waves including interferences, the Doppler effect, and standing waves.**
- **Use mathematical reasoning to determine the speed, frequency, and wavelength of a wave.**

2

The student can:

- **Analyze the behavior of waves in various media.**
- **Examine the characteristics of waves in various media.**

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: