



Oxford City Schools

Proficiency Scale

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GRADE LEVEL: 10/11 COURSE NAME: IB Chemistry
MEASUREMENT TOPIC: Develop Science & Engineering Practices Safely

4

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

3

The student can:

- **Analyze and predict variables using graphical models.**
- **Identify the cause(s) of error within data.**
- **Use dimensional analysis to convert and derive complex units.**

2

The student can:

- Graph relationships between different variables to describe the trends.
- Convert values using scientific notation.
- Perform and record accurate measurements choosing appropriate tools.

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: Significant figures, Scientific Notation, Quantitative data, Extrapolate, Interpolate, Dimensional Analysis, Error analysis, Qualitative data