



Oxford City Schools

# Proficiency Scale

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**GRADE LEVEL: 10-12    COURSE NAME: Chemistry**  
**MEASUREMENT TOPIC: Develop Science and Engineering Practices Safely**

<b>4</b>	In addition to Score 3, the student makes in-depth inferences and applications.
<b>3</b>	The student can: <ul style="list-style-type: none"><li>• <b>Analyze and predict variables using graphical models.</b></li><li>• <b>Identify the cause(s) of error within data.</b></li><li>• <b>Use dimensional analysis to convert and derive complex units.</b></li></ul>
<b>2</b>	The student can: <ul style="list-style-type: none"><li>• <b>Graphically describe relationships between different variables.</b></li><li>• <b>Convert values using scientific notation.</b></li><li>• <b>Perform and record accurate measurements choosing appropriate tools.</b></li></ul>
<b>1</b>	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**