



Oxford City Schools

# Proficiency Scale

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**GRADE LEVEL: 10-12    COURSE NAME: Physical Science**  
**MEASUREMENT TOPIC: Investigate the Behavior of Matter**

<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 interpret data to determine pH to predict properties of solutions.</b></li><li>• <b>Plan and carry out investigations concerning neutralization reactions and describe the properties of the reactants and products.</b></li></ul>
<b>2</b>	The student can: <ul style="list-style-type: none"><li>• <b>Develop and use particle diagrams to illustrate solutions.</b></li><li>• <b>Determine the properties of solutions, reactants and products in chemical reactions.</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:**