



Oxford City Schools

Proficiency Scale

Are you looking for resources to help your child? [Click Here](#)

GRADE LEVEL: 10/11 COURSE NAME: IB Chemistry
MEASUREMENT TOPIC: Interpret Acid/Base Mechanisms

4

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

- Investigate strong acid/base mechanisms through titration experimentation.

3

The student will:

- **Interpret an appropriate indicator for titration that coincides with pH at the equivalence point.**
- **Predict solutions as acidic, neutral and basic from**
 - Analyze titration curves
 - Calculate logarithmic relationship between pH and $[H^+]$.

2

The student will:

- Explain the Brønsted–Lowry theory of acids & bases and their conjugates.
- Understand acid–base equilibria lie in the direction of the weaker conjugate.
- Determine parent acid & base of different salts from neutralization reactions

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: