



## Seycove at sáyəmətən Secondary School

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### Chemistry 12

Course Code: MCH-12

Chemistry 12 is a foundational course for future studies in science, engineering, healthcare, and other career choices. Chemistry 12 builds on the information learned in Chemistry 11. This is a math-based course and thus a student needs to be able to work with scientific notation in calculations. Their calculator must be able to perform log-based mathematics. Topics studied include reaction rates, equilibrium, strength of acids and bases, and reduction-oxidation reactions.

### Inquiry Questions

- How can one increase or reduce the speed of a chemical reaction?
- How much solute can a system at equilibrium contain?
- How is pH calculated? How can this knowledge be used to design household and domestic systems?
- How is metal refined?
- Why are many batteries lithium based?