



## Science

### High School Science Mathematics Skills

- Construct and use tables and graphs to interpret data sets.
- Solve simple algebraic expressions.
- Perform basic statistical procedures to analyze the center and spread of data.
- Measure with accuracy and precision (e.g., length, volume, mass, temperature, time)
- Convert within a unit (e.g., centimeters to meters).
- Use common prefixes such as *milli-*, *centi-*, and *kilo-*.
- Use scientific notation, where appropriate.
- Use ratio and proportion to solve problems.

The following skills are not detailed in the *Mathematics Framework*, but are necessary for a solid understanding in this course:

- Determine percent error from experimental and accepted values.
- Use appropriate metric/standard international (SI) units of measurement for mass (kg); length (m); time (s); force (N); speed (m/s); acceleration ( $\text{m/s}^2$ ); and frequency (Hz).
- Use the Celsius and Kelvin scales.