

Patterns and Measurements

1.01B - I can design an experiment and/or evaluate the effectiveness of an experimental design, taking into account independent variable, dependent variable, and control variables.
1.02B - I understand all measurements have uncertainty. I can estimate the magnitude of this uncertainty and evaluate experimental design to reduce uncertainty.
1.03B - I can use the range and average of a set of data to express a value and estimate its uncertainty. I can report these numbers with the correct number of significant figures.
1.04A - I can convert between standard metric units of measurement, and between English and metric units.
1.04B - I can convert between units when there is a unit in the denominator.
1.05B - I can describe and sketch linear, quadratic, and inverse patterns and identify similarities and differences. (more about hand-drawing/identifying with real data on graphs)
1.06A - I can interpret linear mathematical models, including the meaning of slope, y-intercept, and individual points.
1.06B - I can interpret inverse or quadratic mathematical models, including the meaning of slope, y-intercept, and individual points.
1.06C - I can interpret any mathematical model, including the meaning of slope, y-intercept, and individual points.
1.07C - I can take a set of data and represent on a graph with the correct model. I can follow the conventions for creating a graph and include error bars.

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