formulate conclusions and predictions

Evaluation of Nature of simple data presentations and experiments:

A student performing at the Needs Support level:

• describes nature of simple data presentations and experiments (e.g., tables, bar graphs, line graphs, and scatter plots)

A student performing at the Close level:

• compares nature of simple data presentations and experiments (e.g., tables, bar graphs, line graphs, and scatter plots)

A student performing at the Ready level:

• evaluates the design or methods of a moderately complex experiment (e.g., controls, variables, and data analysis)

A student performing at the Exceeding level:

• explains why a hypothesis, prediction, or conclusion is or is not, consistent with two or more moderately complex data presentations and/or pieces of information in text

Complex Data Presentations and Experiments for the Elementary School Grade Band

Concepts/questions unencumbered in a moderately complex data presentation or experiment:

• compares data from two or more moderately complex data presentations (e.g., graphs, tables)

• determines and/or uses a mathematical relationship that exists between moderately complex data presentations (e.g., averaging, data, unit conversions)

• performs an extrapolation using data in a complex table or graph

• analyzes data presented data when given new, moderately complex information (e.g., interpret a graph when new findings are provided).

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