



Boulder Valley School District: *Essential Learnings* /Alignment with Colorado State Standards:

**Standard 1:** Students apply the processes of scientific investigation and design, safely conduct, communicate about and evaluate investigations

**\*PYS1:** Creates and conducts plans for investigations that include: Asking questions, stating testable hypotheses, identifying variables and constants, collecting data accurately, and identifying different methods for investigating scientific questions.

- c. Uses appropriate observation/measurement technique for data collection
- f. Predicts a logical outcome of an investigation

**PYS2:** Uses appropriate tools and technology and metric measurement units to gather and organize data and to report results

- c. Collects, organizes and interprets a data table

**Standard 5:** Students understand the nature of science involves a particular way of building knowledge and making meaning of the natural world.

**PYS17:** Recognizes and/or describes that models can be used to obtain information about scientific processes and/or objects that may be difficult to study

**Technology Integration Expectations:** (Technology Integration and Information Literacy)

Students will use technology:

- responsibly for communication and transfer of ideas
- to gather, organize, analyze and communicate about data
- to collaborate with others to identify information problems and seek their solutions