

Generic Report Card Comments

SCIENCE AND TECHNOLOGY

General Strengths

- shows an understanding of most of the basic concepts
- shows an understanding of all of the basic concepts
- usually gives complete or nearly complete explanations
- consistently gives complete explanations
- demonstrates an awareness of safety procedures
- consistently demonstrates an awareness of safety procedures
- applies most of the required skills and strategies (give examples)
- applies all (almost all) of the required skills and strategies (give examples)
- uses tools, equipment and materials (give examples) appropriately with only occasional assistance
- uses tools, equipment and materials (give examples) appropriately with (little or no) assistance
- communicates required knowledge (be specific) with clarity and precision
- consistently communicates required knowledge (be specific) with precision and clarity
- usually uses appropriate terminology and units of measurement
- consistently uses appropriate terminology and units of measurement
- shows an understanding of connections between science and technology in familiar contexts
- shows an understanding of the connections between science and technology in familiar and unfamiliar contexts
- shows an understanding of connections between science and technology and the world outside the school
- shows an understanding of the connections between science and technology and the outside world and their implications

Weaknesses

- shows an understanding of a few of the basic concepts
- shows an understanding of some of the basic concepts
- explanations show limited understanding of the concepts
- gives partial explanations during group gatherings
- applies only a few of the required skills and strategies
- applies some of the required skills and strategies
- shows little awareness of safety procedures
- shows some awareness of safety procedures
- uses tools and equipment correctly only with assistance

- uses tools and equipment correctly with some assistance
- rarely uses appropriate science and technology terminology and units of measurement
- sometimes uses appropriate science and technology terminology and units of measurement
- demonstrates little understanding of connections between science and technology
- demonstrates some understanding of the connections between science and technology

Next Steps

The next step comments encourage the student to improve in the areas of understanding of basic concepts, inquiry and design skills, communication of required knowledge and relating of science and technology to each other and to the world outside the school.

Example:

- will need to review basic science and technology concepts before quizzes
- needs to include appropriate science and technology terminology
- needs to pay closer attention to safety procedures

Specific Comments

Strengths:

- demonstrates an understanding of the concept of (e.g. plant growth, how light behaves, energy use and conservation) beyond the level of class investigations
- demonstrates complete understanding of the concept (e.g. plant growth, how light behaves, energy use and conservation)
- has planned, organized, completed and presented an outstanding, quality research project
- has planned, organized, completed and presented a quality research project
- pursues scientific investigations independently based on his/her own interests
- observes carefully using all senses and can classify based on those observations
- independently draws conclusions based on his/her observations
- records data in charts and graphs and explain their meaning
- predicts an outcome and then test his/her hypothesis through experimentation
- uses scientific vocabulary independently and constantly adds to his/her repertoire of words
- uses scientific vocabulary independently
- pursues scientific investigations independently based on his/her own interests
- usually measures (refer to the specific type of measurement - time, temperature etc.) with accuracy
- consistently measures (refer to the specific type of measurement - time, temperature etc.) with accuracy
- initiates and participates in activities that demonstrate concern and care for the environment and respect for living things

- demonstrates by his/her actions concern and care for the environment and respect for living things

Weaknesses:

- has demonstrated some understanding of the concept (refer to the specifics e.g. plant' growth, how light behaves, energy use and conservation)
- has not demonstrated understanding of the concept (refer to the specifics e.g. plant growth, how light behaves, energy use and conservation)
- needs to attend closely to whole class activities, contribute in group work and record notes more carefully
- needs to work on completing assigned tasks within the time frame
- is able to draw conclusions based on his/her observations with assistance from others
- is able to record data in charts and graphs but needs assistance in explaining their meaning
- should concentrate on the content in addition to the appearance of research projects
- can predict an outcome and, with assistance, test his/her hypothesis through experimentation
- needs to observe more carefully using all his/her senses and classify objects into simple categories based on those observations
- needs assistance with observing more carefully using all his/her senses and classifying objects into simple categories based on those observations
- experiences difficulty recording data in charts and graphs and explaining their meaning
- needs assistance and review in becoming familiar with scientific vocabulary
- needs to express him/herself using scientific vocabulary
- is unable to measure (refer to specific type of measurement) with accuracy
- demonstrates through actions, little concern and care for the environment or respect for living things but could be more consistent in recycling, energy conservation etc.
- sometimes demonstrates through actions, concern and care for the environment and respect for living things but could be more consistent in recycling, energy conservation etc.