

Tell Your Story:

STANDARDS ADDRESSED

Grades K-4

Science-

Science and Technology

- Identify a simple problem
- Propose a solution
- Implementing proposed solutions
- Evaluate a product or design
- Communicate a problem, design, and solution
- Science answers questions and explains the world
- People invent tools and techniques to solve problems
- Scientists and engineers work on teams
- Tools help scientists

Language Arts-

- Standard 1 – Demonstrates competence in the general skills and strategies of the writing process
- Standard 2 – Demonstrates competence in the stylistic and rhetorical aspects of writing
- Standard 3 – Uses grammatical and mechanical conventions in written compositions
- Standard 4 – Gathers and uses information for research purposes

Technology-

- Standard 3 – Understands the relationships among science, technology, society, and the individual
- Standard 4 – Understands the nature of technological design

Life Skills-

Thinking and Reasoning

- Standard 1- Understands and applies the basic principles of presenting an argument
- Standard 4- Understands and applies basic principles of hypothesis testing and scientific inquiry
- Standard 6- Applies decision-making techniques

Working With Others

- Standard 1- Contributes to the overall effort of a group

Grades 5-8

Science-

Science and Technology

- Identify appropriate problems for technological design
- Design a solution or product
- Implement a proposed design
- Evaluate completed technological designs or products
- Communicate the process of technological design
- Perfectly designed solutions do not exist
- Technological designs have constraints

Science in Personal and Social Perspectives

Science and Technology in Society

- Societal priorities often influence research priorities

Language Arts-

- Standard 1 – Demonstrates competence in the general skills and strategies of the writing process
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- Standard 4 – Gathers and uses information for research purposes

Technology-

- Standard 3 – Understands the relationships among science, technology, society, and the individual

- Standard 4 – Understands the nature of technological design

Life Skills-

Thinking and Reasoning

- Standard 1- Understands and applies the basic principles of presenting an argument
- Standard 2- Understands and applies basic principles of logic and reasoning
- Standard 4- Understands and applies basic principles of hypothesis testing and scientific inquiry
- Standard 6- Applies decision-making techniques

Working With Others

- Standard 1- Contributes to the overall effort of a group
- Standard 4- Displays effective interpersonal communication skills

Grades 9-12

Science-

Science and Technology

- Identify a problem or design an opportunity
- Propose designs and choose between alternative solutions
- Implement a proposed solution
- Evaluate the solution and its consequences
- Communicate the problem, process, and solution
- Science often advances with the introduction of new technologies
- Creativity, imagination, and a good knowledge base are all required in the work of science and engineering

Science in Personal and Social Perspectives

Science and Technology in Local, National, and Global Challenges

- Progress in science and technology can be affected by social issues and challenges
- Individuals and society must decide on proposals involving new research....

Language Arts-

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- Standard 4 – Gathers and uses information for research purposes

Technology-

- Standard 3 – Understands the relationships among science, technology, society, and the individual
- Standard 4 – Understands the nature of technological design

Life Skills-

Life Work

- Standard 2 - Uses various information sources, including those of a technical nature, to accomplish specific tasks

Thinking and Reasoning

- Standard 1- Understands and applies the basic principles of presenting an argument
- Standard 2- Understands and applies basic principles of logic and reasoning
- Standard 4- Understands and applies basic principles of hypothesis testing and scientific inquiry
- Standard 6- Applies decision-making techniques

Working With Others

- Standard 1- Contributes to the overall effort of a group
- Standard 4- Displays effective interpersonal communication skills