



RESOURCE

STANDARDS ALIGNMENT

LESSON 1: RESEARCH AND SOLUTIONS

Next Generation Science Standards Practices

- **Practice 1:** Asking questions and defining problems.
- **Practice 3:** Planning and carrying out investigations.
- **Practice 6:** Constructing an explanation and designing a solution.
- **Practice 7:** Engaging in argument from evidence.
- **Practice 8:** Obtaining, evaluating, and communicating information.

NCTE Literacy Standards

Standard 7: Students conduct research on issues and interests by generating ideas and questions, and by posing problems. They gather, evaluate and synthesize data from a variety of sources (e.g., print and non-print texts, artifacts, people) to communicate their discoveries in ways that suit their purpose and audience.

Standard 8: Students use a variety of technological and information resources (e.g., libraries, databases, computer networks, video) to gather and synthesize information and to create and communicate knowledge.

Standard 12: Students use spoken, written, and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and exchange of information).

LESSON 2: ACTION PLAN

Next Generation Science Standards Practices

- **Practice 6:** Constructing an explanation and designing a solution.
- **Practice 8:** Obtaining, evaluating, and communicating information.

NCTE Literacy Standards

Standard 4: Students adjust their use of spoken, written, and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.

Standard 12: Students use spoken, written, and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and exchange of information).



RESOURCE STANDARDS ALIGNMENT

LESSON 3: ACT & EVALUATE

Next Generation Science Standards Practices

- **Practice 3:** Planning and carrying out investigations.
- **Practice 4:** Analyzing and interpreting data.
- **Practice 8:** Obtaining, evaluating, and communicating information.

NCTE Literacy Standards

Standard 4: Students adjust their use of spoken, written, and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.

Standard 5: Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes.

Standard 11: Students participate as knowledgeable, reflective, creative, and critical members of a variety of literacy communities.

Standard 12: Students use spoken, written, and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and exchange of information).

LESSON 4: SHARE, SUBMIT & CELEBRATE!

Next Generation Science Standards Practices

- **Practice 2:** Developing and using models.
- **Practice 8:** Obtaining, evaluating, and communicating information.

NCTE Literacy Standards

Standard 4: Students adjust their use of spoken, written, and visual language (e.g., conventions, style, vocabulary) to communicate effectively with a variety of audiences and for different purposes.

Standard 5: Students employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes.

Standard 11: Students participate as knowledgeable, reflective, creative, and critical members of a variety of literacy communities.

Standard 12: Students use spoken, written, and visual language to accomplish their own purposes (e.g., for learning, enjoyment, persuasion, and exchange of information).

