

PLT's Energy and Society Correlations to the Utah Core Curriculum

1st Grade

Standard I: Students will develop a sense of self.

Objective 2: Develop and demonstrate skills in gross and fine motor movement.

Activity 1, Variation: Energy Detectives, *Variation for Younger Students* (PreK-2)

2nd Grade

Standard I: Students will develop a sense of self.

Objective 2: Develop and apply skills in fine and gross motor movement.

Activity 1, Variation: Energy Detectives, *Variation for Younger Students* (PreK-2)

3rd Grade - No correlations

4th Grade

Language Arts

Standard 4040-09: Students develop oral language to communicate effectively for various purposes and audiences.

Objective 02: Use oral language to present information.

Activity 2 (indirect): May the Source Be with You

5th Grade

Health Education

Standard 7: The students will understand the value of service and effective consumer practices.

Objective 1: Participate in service-learning that assists the preservation of natural resources.

Action Project: School Energy Patrol

Language Arts

Standard 4050-07: Students use process strategies to create text.

Action Project: Energy Newsletter

Standard 4050-10: Students develop oral language to communicate effectively for various purposes and audiences.

Objective 02: Use oral language to present information.

Activity 2 (indirect): May the Source Be with You

6th Grade

Language Arts

Standard 4060-07: Students use process strategies to create text.

Action Project: Energy Newsletter

Standard 4060-10: Students develop oral language to communicate effectively for various purposes and audiences.

Objective 02: Use oral language to present information.

Activity 2 (indirect): May the Source Be with You

Science

Standard 6: Students will understand properties and behavior of heat, light, and sound.

Objective 1: Investigate the movement of heat between objects by conduction, convection, and radiation.

Indicator a: Compare materials that conduct heat to materials that insulate the transfer of heat energy.

Science Fair Project: Which insulating material keeps an ice cube cold the longest?

Objective 3: Describe the production of sound in terms of vibration of objects that create vibrations in other materials.

Indicator b: Explain the relationship of the size and shape of a vibrating object to the pitch of the sound produced.

Science Fair Project: How do size, shape and material of an object affect the type of sound produced?

7th Grade

Language Arts

Standard 4070-10: Students use process strategies before, during, and after composing.

Action Project: Energy Newsletter

Standard 4070-11: Students write functional, informational, and literary texts for various purposes, audiences, and situations.

Objective 02: Demonstrate competency in writing INFORMATIONAL text.

Action Project: Energy Newsletter

8th Grade

Language Arts

Standard 4080-10: Students use process strategies before, during, and after composing.

Action Project: Energy Newsletter

Standard 4080-11: Students write functional, informational, and literary texts for various purposes, audiences, and situations.

Objective 02: Demonstrate competency in writing INFORMATIONAL text.

Action Project: Energy Newsletter

Science

Standard 3240-03: Students will relate forces and energy to motion.

Objective 02: Identify the role of energy in motion.

Activity 1: Energy Detectives

Indicator: Identify forms and sources of energy (e.g., light, heat, mechanical, nuclear, chemical).

Activity 2: May the Source Be with You

Objective 03: Analyze energy movement and transformations.

Activity 3: Energy Chains

Objective 04: Explain the energy implications of technologies in society.

Case Studies: Energy Then, Energy Now