



Activity: Make Your Own Ice Cream

Subjects addressed in this Lesson: While the primary focus of this lesson is Science, Language and Art expectations are also met.

Curriculum Links For: Science & Technology

Grade 1

Unit: Energy in our Lives

Curriculum Expectation:

- investigate how different types of energy are used in daily life;

Grade 2

Unit: Understanding Matter & Energy: Properties of liquids and Solids

Curriculum Expectation:

- assess ways in which the uses of liquids and solids can have an impact on society and the environment
- investigate the properties of and interactions among liquids and solids
- demonstrate an understanding of the properties of liquids and solids

Grade 3:

Unit: Understanding Matter & Energy

Curriculum Expectation:

- investigate devices that use forces to create controlled movement
- demonstrate an understanding of how forces cause movement and changes in movement

Grade 5:

Unit: Understanding Matter & Energy: Properties of and Changes in Matter

Curriculum Expectation:

- conduct investigations that explore the properties of matter and changes in matter
- demonstrate an understanding of the properties of matter, changes of state, and physical and chemical change.

Grade 7:

Unit: Understanding Matter & Energy: Pure Substances & Mixtures

Curriculum Expectation:

- investigate the properties and applications of pure substances and mixtures
- demonstrate an understanding of the properties of pure substances and mixtures, and describe these characteristics using the particle theory

Grade 8:

Unit: Understanding Matter & Energy: Fluids

Curriculum Expectations:

- analyse how the properties of fluids are used in various technologies, and assess the impact of these technologies on society and the environment
- investigate the properties of fluids

Curriculum Links For: Language & Art

Numerous Language & Art curriculum expectations are achieved by completing this lesson. Including the following:

Oral Communication:

- listen in order to understand and respond appropriately in a variety of situations for a variety of purposes
- use speaking skills and strategies appropriately to communicate with different audiences for a variety of purposes;
- reflect on and identify their strengths as listeners and speakers, areas for improvement, and the strategies they found most helpful in oral communication situations.

Reading

- read and demonstrate an understanding of a variety of literary, graphic, and informational texts, using a range of strategies to construct meaning
- recognize a variety of text forms, text features, and stylistic elements and demonstrate understanding of how they help communicate meaning
- use knowledge of words and cueing systems to read fluently; 4. reflect on and identify their strengths as readers, areas for improvement, and the strategies they found most helpful before, during, and after reading.

Writing:

- generate, gather, and organize ideas and information to write for an intended purpose and audience
- draft and revise their writing, using a variety of informational, literary, and graphic forms and stylistic elements appropriate for the purpose and audience
- use editing, proofreading, and publishing skills and strategies, and knowledge of language conventions, to correct errors, refine expression, and present their work effectively;

Media Literacy:

- demonstrate an understanding of a variety of media texts
- identify some media forms and explain how the conventions and techniques associated with them are used to create meaning
- create a variety of media texts for different purposes and audiences, using appropriate forms, conventions, and techniques