

Outdoor Survival

Description: Students travel into the forest and are taught the basics of outdoor survival. They get to practice their fire making and shelter building skills hands on. This is one of our most popular activities.

Learning Skills: Collaboration, Self-regulation, and Responsibility

Grade 5- 8: Health and Physical Education

Overall:

Living Skills:

- Personal Skills
- Interpersonal Skills
- Critical and Creative Thinking

A. Active Living

- A1. Active Participation
- A2. Physical Fitness
- A3. Safety

B. Movement Competencies: Skills, Concepts, and Strategies

- B1. Movement Skills and Concepts
- B2. Movement Strategies

Grade 5: Science and Technology

Overall:

Understanding Earth and Space Systems: Conservation of Energy and Resources.

1. Analyse the immediate and long-term effects of energy and resource use on society and the environment, and evaluate options for conserving energy and resources
2. Investigate energy transformation and conservation.
3. Demonstrate an understanding of the various forms and sources of energy and the ways in which energy can be transformed and conserved.

Specific:

Understanding Earth and Space Systems: Conservation of Energy and Resources.

- 1.1 Analyse the long-term impacts on society and the environment of human uses of energy and natural resources, and suggest ways to reduce these impacts.
- 2.1 Follow established safety procedures for using tools and materials
- 3.1 Identify a variety of forms of energy and give examples from everyday life of how that energy is used.
- 3.3 Describe how energy is stored and transformed in a given device or system.
- 3.4 Recognize that energy cannot be created or destroyed but can only be changed from one form to another.
- 3.5 Explain that energy that is apparently “lost” from a system has been transformed into other energy forms that are not useful to the system.

Grade 6: Science and Technology

Overall

Understanding Life Systems: Biodiversity

- 1: Assess human impacts on biodiversity, and identify ways of preserving biodiversity.

Specific:

Understanding Life Systems: Biodiversity

- 1.2 Assess the benefits that human societies derive from biodiversity and the problems that occur when biodiversity is diminished.

Grade 7: Science and Technology

Overall

Understanding Life Systems: Interactions in the Environment

1. Assess the impacts of human activities and technologies on the environment, and evaluate ways of controlling these impacts.
2. Investigate interactions within the environment, and identify factors that affect the balance between different components of an ecosystem.
3. Demonstrate an understanding of interactions between and among biotic and abiotic elements in the environment.

Understanding Structures and Mechanisms: Form and Function

1. Analyse personal, social, economic, and environmental factors that need to be considered in designing and building structures and devices.
2. Design and construct a variety of structures, and investigate the relationship between the design and function of these structures and the forces that act on them.
3. Demonstrate an understanding of the relationship between structural forms and the forces that act on and within them.

Understanding Earth and Space Systems: Heat in the Environment

2. Investigate ways in which heat charges substances, and describe how heat is transferred.
3. Demonstrate an understanding of heat as a form of energy that is associated with the movement of particles and is essential to many processes within the earth's systems.

Specific

Understanding Life Systems: Interactions in the Environment

- 1.1 Assess the impact of selected technologies on the environment
- 2.1 Follow established safety procedures for investigating ecosystems.
- 3.2 Identify biotic and abiotic elements in an ecosystem, and describe the interactions between them.
- 3.5 Describe how matter is cycled within the environment and explain how it promotes sustainability.
- 3.8 Describe ways in which human activities and technologies alter balances and interactions in the environment.
- 3.9 Describe Aboriginal perspectives on sustainability and describe ways in which they can be used in habitat and wildlife management.

Understanding Structures and Mechanisms: Form and Function

- 1.1 Evaluate the importance for individuals, society, the economy, and the environment of factors that should be considered in designing and building structures and devices to meet specific needs.
- 2.1 Follow established safety procedures for using tools and handling materials.
- 2.2 Design, construct, and use physical models to investigate the effects of various forces on structures.
- 3.5 Describe the role of symmetry in structures.
- 3.6 Identify and describe factors that can cause a structure to fail

Understanding Earth and Space Systems: Heat in the Environment

- 2.2 Investigate the effects of heating and cooling on the volume of a solid, a liquid, and a gas
- 2.4 Use scientific inquiry/experimentation skills to investigate heat transfer through conduction, convection, and radiation.
- 3.2 Identify ways in which heat is produced.

Grade 8: Science and Technology

Overall

Understanding Structures and Mechanism: Systems in Action

1. Assess the personal, social, and/or environmental impacts of a system, and evaluate improvements to a system and/or alternative ways of meeting the same needs.
2. Investigate a working system and the ways in which components of the system contribute to its desired function.

Specific

Understanding Structures and Mechanisms: Systems in Action

- 1.2 Assess the impact on individuals, society, and the environment of alternative ways of meeting the needs that are currently met by existing systems, taking different points of view into consideration.
- 2.4 Use technological problem-solving skills to investigate a system.