Adventures in Nature:

Description: Explore Camp Brébeuf's 110 acres of wilderness and wildlife. From tree identification and animal tracking to how the mysterious grotto was formed. Students will take an adventurous walk outside to discover the many interesting things that nature has to offer.

Learning Skills: Self-Regulation

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 Matter and Energy: Forces acting on Structures and Mechanisms

1: Evaluate the social and environmental impacts of processes used to make everyday products

3: Demonstrate an understanding of the properties of matter, changes of state, and physical and chemical change.

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.

Specific:

Understanding Matter and Energy: Forces acting on Structures and Mechanisms

1.1 Analyse the effects of forces from natural phenomena

1.2 Evaluate the impact of society and the environment on structures and mechanisms, taking different perspectives into account

3.4 Describe forces resulting form natural phenomena that can have severe consequences for structures in the environment

Understanding Earth and Space Systems: Conservation of Energy and Resources

1.1 Analyze the long-term impacts on society and the environment of human uses of energy and natural resources, and suggest ways to reduce these impacts.

Grade 6: Science and Technology

Overall

Understanding Life Systems: Biodiversity

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

2: Investigate the characteristics of living things, and classify diverse organisms according to specific characteristics.

3: Demonstrate an understanding of biodiversity, its contributions to the stability of natural systems, and its benefits to humans.

Specific

Understanding Life Systems: Biodiversity

1.1 Analyse a local issue related to biodiversity
1.2 Assess the benefits that human societies derive from biodiversity
2.1 Follow established safety procedures for outdoor activities and fieldwork
2.2 Investigate the organisms found in a specific habitat and classify them according to a classification system
2.3 Use scientific inquiry/research skills to compare the characteristics of organisms within the plant or animal kingdoms
3.3 Describe ways in which biodiversity within species is important for maintaining the resilience of those species
3.4 describe ways in which biodiversity within and among communities are important for maintaining the resilience of these communities
3.5 Describe interrelationships within species, between species, an between species and their environment and explain how these interrelationships sustain biodiversity
3.6 Describe everyday products that come from a diversity of organisms.
3.7 Explain how invasive species reduce biodiversity in local environments.

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; identify factors that affect the balance between different components of an ecosystem.
3: Demonstrate and understanding of interactions between and among biotic and abiotic elements in the environment.

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
2.3 Use scientific inquiry/research skills to investigate occurrences that affect the balance within a local ecosystem.
3.1 Demonstrate an understanding of an ecosystem as a system of interactions between living organisms and their environment
3.2 Identify biotic and abiotic elements in an ecosystem, and describe the interactions between them
3.3 Describe the roles and interactions of producers, consumers, and decomposers within an ecosystem.
3.5 Describe how matter is cycled within the environment and explain how to promotes sustainability.

Grade 8: Science and Technology

Overall

Understanding Earth and Space Systems: Water Systems

1: Assess the impact of human activities and technologies on the sustainability of water resources
2: Investigate factors that affect local water quality
3: Demonstrate an understanding of the characteristics of the earth's water systems and the influence of water systems on a specific region.

Specific

Understanding Earth and Space Systems: Water Systems

1.1 Evaluate personal water consumption, compare it with personal water consumption in other countries, and propose a plan of action to help reduce personal water consumption to help address water sustainability issues
2.4 Use scientific inquiry/research skills to investigate local water issues.
3.1 Identify the various states of water on the earth's surface, their distribution, relative amounts, and circulation, and the conditions under which they exist.
3.2 Demonstrate an understanding of the watershed as a fundamental geographic unit, and explain how it relates to water management and planning.