SCIENCE NORTH SCIENCE NORD

SUVIVOR: NORTHERN ONTARIO

JUNIOR SCHOOL PROGRAM
Grades 4 to 6 | 50 minutes
Life Systems | Biodiversity



Can you Outwit, outplay, and outlast your fellow classmates?
In this program, students will learn the ins and outs of our Northern Ontario ecosystems. They'll explore what it takes for plants and animals to survive — from finding resources, to adapting to harsh weather, to evading predators, plants and animals are as tough as they come. Students must work together to solve challenges, identify clues from nature, and make smart survival decisions.

KEY LEARNING OBJECTIVES

- Identify species based on given specimens
- Identify key adaptations that allow each species to survive in their habitats
- Describe how each species fits into the food chain within each habitat
- Explain why biodiversity is important to the resilience of a habitat

STEM TOOLS

Animal Specimen Replicas

CURRICULUM EXPECTATIONS

GRADE 4 – LIFE SYSTEMS- HABITATS AND COMMUNITIES

- B2.1 - describe habitats as areas that provide organisms, including plants and animals, with the necessities of life, and identify ways in which a local habitat provides these necessities
- B2.2- describe a community as a group of interacting species sharing a common habitat, identify factors that affect the ability of a community of plants and animals to survive in a local habitat
- B2.3 - describe the relationship of organisms in a food chain, and classify organisms as producers, consumers, or decomposers
- B2.5 - describe how animals are categorized according to their diet, and categorize various animals as carnivores, herbivores, or omnivores
- B2.6 - describe structural adaptations of a variety of plants and animals and how these adaptations allow the organisms to survive in specific habitats

GRADE 6 – LIFE SYSTEMS- BIODIVERSITY

- B2.1 - describe the distinguishing characteristics of different groups of organisms, use these characteristics to further classify these organisms using a classification system
- B2.2 - demonstrate an understanding of biodiversity as the diversity of life on Earth, including the diversity of organisms within species, among species in a community, and among communities and the habitats that support them
- B2.4- describe ways in which biodiversity within and among communities is essential for maintaining the resilience of these communities
- B2.5- describe interrelationships within species, between species, and between species and their natural environment, and explain how these interrelationships sustain biodiversity
- B2.6- explain how invasive species reduce biodiversity in local environments