

GENERAL LEARNING OUTCOMES

Grade 4 – 6
Lesson Plans 1 - 8

Lesson	Summary	Science general learning outcomes	Key vocabulary	Provinces/territories covered
Lesson 1	Launch of Mission: Explore to Restore; students explore the WWF -Canada LPRC for Kids site; observe trends in Canadian wildlife (declines, habitat loss, species at risk).	Habitats and ecosystems, biodiversity and conservation, scientific inquiry/field skills	Habitat, ecosystem, interdependence, food chain, community, plants, animals, biodiversity, conservation, stewardship, human impact, species, extinction, observe, record, analyze, investigation	AB/NWT/NU, BC/YT, MB, NL, NS, ON, SK, QC, PEI/ NB
Lesson 2	Students view scientist Q&A videos and learn about monitoring wildlife populations, the scientist's work, what happens after reports are published and how young people can help. Includes discussion	Scientific inquiry/field skills, biodiversity and conservation	Biodiversity, conservation, stewardship, human impact, species, extinction, observe, record, analyze, investigation	AB/NWT/NU, BC/YT, MB, NL, NS, ON, SK, QC, PEI/ NB
Lesson 3	Builds understanding of biodiversity through species stories and quizzes; culminates in a wildlife investigation worksheet on one of six featured species.	Biodiversity and conservation, habitats and ecosystems, scientific inquiry/field skills	Biodiversity, conservation, stewardship, human impact, species, extinction, habitat, ecosystem, interdependence, food chain, community, observe, record, analyze, investigation	AB/NWT/NU, BC/YT, MB, NL, NS, ON, SK, QC, PEI/ NB
Lesson 4	Outdoor game acting out food web interactions; students role-play carnivores, herbivores, producers and decomposers; followed by a debrief discussion.	Habitats and ecosystems, scientific inquiry/field skills, life cycles and adaptations	Habitat, ecosystem, interdependence, food chain, community, shelter, plants, animals, life cycle, growth, adaptation, survival, observe, record, analyze, investigation	AB/NWT/NU, BC/YT, MB, NL, NS, ON, SK, QC, PEI/ NB

<p>Lesson 5</p>	<p>Students use LPRC species stories and visual mapping to explore biodiversity, identifying connections between species, habitats and ecosystems; create maps showing species range, habitat and threats.</p>	<p>Habitats and ecosystems, biodiversity and conservation, scientific inquiry/field skills</p>	<p>Habitat, ecosystem, interdependence, food chain, community, plants, animals, biodiversity, conservation, stewardship, human impact, species, extinction, observe, record, analyze, investigation</p>	<p>AB/NWT/NU, BC/YT, MB, NL, NS, ON, SK, QC, PEI/NB</p>
<p>Lesson 6</p>	<p>Introduction to wildlife monitoring: students step into the role of scientists, learning observation and data collection, and how evidence informs actions to protect species and ecosystems. Next Students select and participate in a monitoring project.</p>	<p>Scientific inquiry/field skills, biodiversity and conservation, habitats and ecosystems</p>	<p>Observe, record, analyze, investigation, biodiversity, conservation, stewardship, human impact, species, extinction, habitat, ecosystem, interdependence, food chain, community</p>	<p>AB/NWT/NU, BC/YT, MB, NL, NS, ON, SK, QC, PEI/NB</p>
<p>Lesson 7</p>	<p>Students decide on achievable actions they can take for wildlife and make a personal or collective pledge, reinforcing that small actions add up.</p>	<p>Biodiversity and conservation, scientific inquiry/field skills</p>	<p>Biodiversity, conservation, stewardship, human impact, species, extinction, observe, record, analyze, investigation</p>	<p>AB/NWT/NU, BC/YT, MB, NL, NS, ON, SK, QC, PEI/NB</p>
<p>Lesson 8</p>	<p>Students reflect on what they have learned about ecosystems and biodiversity and translate that understanding into a personal or class letter to share with various audiences.</p>	<p>Biodiversity and conservation, scientific inquiry/field skills, habitats and ecosystems</p>	<p>Biodiversity, conservation, stewardship, human impact, species, extinction, habitat, ecosystem, interdependence, food chain, community, observe, record, analyze, investigation</p>	<p>AB/NWT/NU, BC/YT, MB, NL, NS, ON, SK, QC, PEI/NB</p>