

RIVER SCHOOL OUTREACH CURRICULAR CONNECTIONS

Nature Walk

(Grades 2-7)

On your last walk through nature, what did you notice? What did you wonder? In this program students will explore the connections between living things within their local environment (Kingdom Plantae). They will learn the connection between science and our communities and how they can begin to identify plants in their everyday lives. Students will learn some of the key identifiers of each sub-category in the Kingdom Plantae and use these skills on a nature walk. This information can then be used in the classroom to further investigate plants and find connections between plants, and between people and nature.

Grade	Subject	Curricular Area	Features
2	Science	Big Ideas	<ul style="list-style-type: none"> Living things have life cycles adapted to their environment
		Curricular Competencies	<ul style="list-style-type: none"> Demonstrate curiosity and a sense of wonder about the world Observe objects and events in familiar contexts Ask questions about familiar objects and events Make and record observations Experience and interpret the local environment Compare observations with predictions through discussion Compare observations with those of others Communicate observations and ideas using oral or written language, drawing, or role-play. Express and reflect on personal experiences of place Recognize First Peoples stories (including oral and written narratives), songs, and art, as ways to share knowledge
3	Science	Big Ideas	<ul style="list-style-type: none"> Living things are diverse, can be grouped, and interact in their ecosystems.
		Curricular Competencies	<ul style="list-style-type: none"> Demonstrate curiosity about the natural world Observe objects and events in familiar contexts Identify questions about familiar objects and events that can be investigated scientifically Safely use appropriate tools to make observations and measurements, using formal measurements and digital technology as appropriate Make observations about living and non-living things in the local environment Experience and interpret the local environment

RIVER SCHOOL OUTREACH CURRICULAR CONNECTIONS

			<ul style="list-style-type: none"> • Represent and communicate ideas and findings in a variety of ways, such as diagrams and simple reports, using digital technologies as appropriate • Express and reflect on personal or shared experiences of place • Identify First Peoples perspectives and knowledge as sources of information
		Content	<ul style="list-style-type: none"> • biodiversity in the local environment • knowledge of local First Peoples of ecosystems
4	Science	Big Ideas	<ul style="list-style-type: none"> • All living things sense and respond to their environment.
		Curricular Competencies	<ul style="list-style-type: none"> • Demonstrate curiosity about the natural world • Observe objects and events in familiar contexts • Identify questions about familiar objects and events that can be investigated scientifically • Safely use appropriate tools to make observations and measurements, using formal measurements and digital technology as appropriate • Make observations about living and non-living things in the local environment • Experience and interpret the local environment • Represent and communicate ideas and findings in a variety of ways, such as diagrams and simple reports, using digital technologies as appropriate • Express and reflect on personal or shared experiences of place • Identify First Peoples perspectives and knowledge as sources of information
		Content	<ul style="list-style-type: none"> • Sensing and responding: plants
5	Science	Big Ideas	<ul style="list-style-type: none"> • Multicellular organisms have organ systems that enable them to survive and interact within their environment.
		Curricular Competencies	<ul style="list-style-type: none"> • Demonstrate a sustained curiosity about a scientific topic or problem of personal interest • Make observations in familiar or unfamiliar contexts • Identify questions to answer or problems to solve through scientific inquiry • Observe, measure, and record data, using appropriate tools, including digital technologies • Experience and interpret the local environment • Demonstrate an openness to new ideas and consideration of alternatives • Communicate ideas, explanations, and processes in a variety of ways

RIVER SCHOOL OUTREACH CURRICULAR CONNECTIONS

			<ul style="list-style-type: none"> Express and reflect on personal, shared, or other’s experiences of place Identify First Peoples perspective and knowledge as sources of information
		Content	<ul style="list-style-type: none"> First Peoples concepts of interconnectedness in the environment First Peoples knowledge of sustainable practices
6	Science	Big Ideas	<ul style="list-style-type: none"> Multicellular organisms rely on internal systems to survive, reproduce, and interact with their environment.
		Curricular Competencies	<ul style="list-style-type: none"> Demonstrate a sustained curiosity about a scientific topic or problem of personal interest Make observations in familiar or unfamiliar contexts Identify questions to answer or problems to solve through scientific inquiry Observe, measure, and record data, using appropriate tools, including digital technologies Experience and interpret the local environment Communicate ideas, explanations, and processes in a variety of ways Express and reflect on personal, shared, or other’s experiences of place Identify First Peoples perspectives and knowledge as sources of information
7	Science	Big Ideas	<ul style="list-style-type: none"> Evolution by natural selection provides an explanation for the diversity and survival of living things.
		Curricular Competencies	<ul style="list-style-type: none"> Demonstrate a sustained intellectual curiosity about a scientific topic or problem of personal interest Make observations aimed at identifying their own questions about the natural world Observe, measure, and record data (qualitative and quantitative), using equipment, including digital technologies, with accuracy and precision Experience and interpret the local environment Communicate ideas, findings, and solutions to problems, using scientific language, representations and digital technologies as appropriate Express and reflect on a variety of experiences and perspectives of place

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			<ul style="list-style-type: none">• Apply First Peoples perspectives and knowledge, other ways of knowing, and local knowledge as sources of information
		Content	<ul style="list-style-type: none">• organisms have evolved over time• survival needs• natural selection