

RIVER SCHOOL PROGRAM CURRICULAR CONNECTIONS

Taking the Pulse of the Fraser

(Grade 6-9)

Students follow the scientific method to conduct a water quality investigation of the Fraser River to test whether the temperature, turbidity, and pH of their sample fall within the acceptable levels for salmon.

Grade	Subject	Curricular Area	Features
6	Science	Big Ideas	<ul style="list-style-type: none"> • Everyday materials are often mixtures
		Curricular Competencies	<ul style="list-style-type: none"> • Consider ethical responsibilities when deciding how to conduct an experiment • Experience and interpret the local environment • Use equipment and materials safely, identifying potential risks • Decide which variable should be changed and measured for a fair test • Observe, measure, and record data, using appropriate tools, including digital technologies
7	Science	Big Ideas	<ul style="list-style-type: none"> • Everyday materials are often mixtures
		Curricular Competencies	<ul style="list-style-type: none"> • Consider ethical responsibilities when deciding how to conduct an experiment • Experience and interpret the local environment • Use equipment and materials safely, identifying potential risks • Decide which variable should be changed and measured for a fair test • Observe, measure, and record data, using appropriate tools, including digital technologies • Reflect on their investigation methods, including the adequacy of controls on variables (dependent and independent) and the quality of the data collected • Suggest ways to plan and conduct an inquiry to find answers to their questions
8	Science	Big Ideas	<ul style="list-style-type: none"> • Everyday materials are often mixtures
		Curricular Competencies	<ul style="list-style-type: none"> • Consider ethical responsibilities when deciding how to conduct an experiment • Experience and interpret the local environment • Use equipment and materials safely, identifying potential risks

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9	Science	Big Ideas	<ul style="list-style-type: none"> Everyday materials are often mixtures
		Curricular Competencies	<ul style="list-style-type: none"> Consider ethical responsibilities when deciding how to conduct an experiment Experience and interpret the local environment Use equipment and materials safely, identifying potential risks Decide which variable should be changed and measured for a fair test Observe, measure, and record data, using appropriate tools, including digital technologies Reflect on their investigation methods, including the adequacy of controls on variables (dependent and independent) and the quality of the data collected Suggest ways to plan and conduct an inquiry to find answers to their questions