

WONDERFUL WATER

Grade 2

SCIENCE BIG IDEA

Water is essential to all living things, and it cycles through the environment.

Learning Standards

Curricular Competencies	Content
<p><i>Students are expected to be able to do the following:</i></p> <p>Questioning and predicting</p> <ul style="list-style-type: none">• Demonstrate curiosity and a sense of wonder about the world• Observe objects and events in familiar contexts• Make simple predictions about familiar objects and events <p>Processing and analyzing data and information</p> <ul style="list-style-type: none">• Experience and interpret the local environment• Identify simple patterns and connections <p>Evaluating</p> <ul style="list-style-type: none">• Consider some environmental consequences of their actions <p>Communicating</p> <ul style="list-style-type: none">• Express and reflect on personal experiences of place	<p><i>Students are expected to know the following:</i></p> <ul style="list-style-type: none">• water sources including local watersheds• water conservation• the water cycle

WONDERFUL WATER

Grade 3

SCIENCE BIG IDEA

Living things interact in their ecosystems.

Wind, water, and ice change the shape of the land.

Learning Standards

Curricular Competencies	Content
<p><i>Students are expected to be able to do the following:</i></p> <p>Questioning and predicting</p> <ul style="list-style-type: none">• Demonstrate curiosity and a sense of wonder about the world• Observe objects and events in familiar contexts• Identify questions about familiar objects and events that can be investigated scientifically <p>Planning and conducting</p> <ul style="list-style-type: none">• Make observations about living and non-living things in the local environment <p>Processing and analyzing data and information</p> <ul style="list-style-type: none">• Experience and interpret the local environment <p>Evaluating</p> <ul style="list-style-type: none">• Identify some simple environmental implications of their and others' actions <p>Applying and innovating</p> <ul style="list-style-type: none">• Co-operatively design projects (building dams)	<p><i>Students are expected to know the following:</i></p> <ul style="list-style-type: none">• observable changes in the local environment caused by erosion and deposition by wind, water, and ice

WONDERFUL WATER

Grade 4

SCIENCE BIG IDEA

All living things sense and respond to their environment.

Learning Standards

Curricular Competencies	Content
<p><i>Students are expected to be able to do the following:</i></p> <p>Questioning and predicting</p> <ul style="list-style-type: none">• Demonstrate curiosity about the natural world• Observe objects and events in familiar contexts <p>Planning and conducting</p> <ul style="list-style-type: none">• Make observations about living and non-living things in the local environment <p>Processing and analyzing data and information</p> <ul style="list-style-type: none">• Experience and interpret the local environment <p>Evaluating</p> <ul style="list-style-type: none">• Identify some simple environmental implications of their and others' actions <p>Applying and innovating</p> <ul style="list-style-type: none">• Co-operatively design projects (dam building)	<p><i>Students are expected to know the following:</i></p> <ul style="list-style-type: none">• sensing and responding:<ul style="list-style-type: none">– other animals– plants• biomes as large regions with similar environmental features
