Kindergarten to Grade 3 Curriculum Alignment



Kindergarten to Grade 3 Curriculum Alignment Great Bear Rainforest Education and Awareness Trust

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What is a rainforest?

Science

Big Ideas

Kindergarten

- Plants and animals have observable features.
- Daily and seasonal changes affect all living things.

Grade 1

• Living things have features and behaviours that help them survive in their environment.

Grade 2

- Living things have life cycles adapted to their environment.
- Water is essential to all living things, and it cycles through the environment.

Grade 3

- Living things are diverse, can be grouped, and interact in their ecosystems.
- Wind, water, and ice change the shape of the land.

Content

Kindergarten

- Basic needs of plants and animals
- Adaptations of local plants and animals
- Living things make changes to accommodate daily and seasonal cycles
- First Peoples knowledge of seasonal changes

Grade 1

- Classification of living and non-living things
- Names of local plants and animals
- Structural features of living things in the local environment
- Behavioural adaptations of animals in the local environment

Grade 2

- Water sources including local watersheds
- The water cycle

- Local First People's knowledge of water:
 - Water cycles
 - Conservation
 - Connection to other systems

Grade 3

- Biodiversity in the local environment
- The knowledge of local First Peoples of ecosystems
- Local First Peoples knowledge of local landforms
- Observable changes in the local environment caused by erosion and deposition by wind, water and ice

Social Studies

Big Ideas

Grade 1

- We shape the local environment, and the local environment shapes who we are and how we live.
- Healthy communities recognize and respect the diversity of individuals and care for the local environment.

Grade 2

- Local actions have global consequences, and global actions have local consequences.
- Canada is made up of many diverse regions and communities.

Grade 3

- Learning about indigenous peoples nurtures multicultural awareness and respect for diversity.
- Indigenous knowledge is passed down through oral history, traditions, and collective memory.
- Indigenous societies throughout the world value the well-being of the self, the land, spirits, and ancestors.

Curricular Competencies

Kindergarten to Grade 3

- Use Social Studies inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate findings and decisions
- Explain the significance of personal or local events, objects, people, or places (significance)

- Ask questions, make inferences, and draw conclusions about the content and features of different types of sources (evidence)
- Explore different perspectives on people, places, issues, or events in their lives (perspective)

Content

Grade 1

- Relationships between a community and its environment
- Natural and human-made features of the local environment

Grade 2

- Diverse characteristics of communities and cultures in Canada and around the world, including at least one Canadian First Peoples community and culture
- Diverse features of the environment in other parts of Canada and the world
- Relationships between people and the environment in different communities

Grade 3

- Cultural characteristics and ways of life of local First Peoples and global indigenous peoples
- Aspects of life shared by and common to peoples and cultures
- Relationship between humans and their environment

Math

Big Ideas

- Familiar events can be described as likely or unlikely and compared.
- Concrete graphs help us to compare and interpret data and show one-to-one correspondence
- Concrete items can be represented, compared, and interpreted pictorially in graphs.
- The likelihood of possible outcomes can be examined, compared, and interpreted.

Curricular Competencies (Communicating and Representing)

Kindergarten to Grade 3

- Communicate mathematical thinking in many ways
- Use mathematical vocabulary and language to contribute to mathematical discussions
- Explain and justify mathematical ideas and decisions
- Represent mathematical ideas in concrete, pictorial, and symbolic forms

Content

Kindergarten

• Concrete or pictorial graphs as a visual tool

Grade 1

• Concrete graphs, using one-to-one correspondence

Grade 2

• Pictorial representation of concrete graphs, using one-to-one correspondence

Grade 3

• One-to-one correspondence with bar graphs, pictographs, charts, and tables

Applied Design, Skills and Technology (ADST)

Big Ideas

Kindergarten to Grade 3

- Designs grow out of natural curiosity.
- Skills can be developed through play.

Curricular Competencies

Kindergarten to Grade 3

Ideating

- Identify needs and opportunities for designing, through exploration
- Generate ideas from their experiences and interests
- Add to others' ideas
- Choose an idea to pursue

Sharing

- Decide on how and with whom to share their product
- Demonstrate their product, tell the story of designing and making their product, and explain how their product contributes to the individual, family, community, and/or environment

Applied Skills

- Use materials, tools, and technologies in a safe manner in both physical and digital environments
- Develop their skills and add new ones through play and collaborative work

Content

• Built into other curricula

English Language Arts

Big Ideas

Kindergarten to Grade 1

- Stories and other texts help us learn about ourselves and our families.
- Stories and other texts can be shared through pictures and words.
- Everyone has a unique story to share.
- Through listening and speaking, we connect with others and share our world.

Grade 2

- Stories and other texts connect us to ourselves, our families, and our communities.
- Everyone has a unique story to share.
- Through listening and speaking, we connect with others and share our world.
- Curiosity and wonder lead us to new discoveries about ourselves and the world around us.

Grade 3

- Stories and other texts connect us to ourselves, our families, and our communities.
- Curiosity and wonder lead us to new discoveries about ourselves and the world around us

First Peoples Principles of Learning

Learning Intention 1: What are the defining features of a rainforest, including the Great Bear Rainforest?

- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning recognizes the role of Indigenous knowledge.

Learning Intention 2: How can we use our senses to explore the outdoors

• Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).

Learning Intention 3: How do Indigenous stories help us understand place?

- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning recognizes the role of indigenous knowledge.
- Learning involves recognizing that some knowledge is sacred and only shared with permission and/or in certain situations.

Learning Intention 4: How can we tell the story of a rainforest?

• Learning is embedded in memory, history, and story.

Learning Intention 5: How can we track the amount of rain that falls in a rainforest, or where we live?

• Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).

How is water important to life?

<u>Learning Intention 1</u> Where is Water in Our Lives?

Science

Big ideas

K: Daily and seasonal changes affect all living things.

Grade 2: Water is essential to all living things, and it cycles through the environment. Grade 3: Wind, water, and ice change the shape of the land.

Content

Kindergarten: weather changes, seasonal changes Grade 3: Observable changes in the local environment caused by erosion and deposition by wind,

water, and ice

Curricular Competencies

Kindergarten to Grade 3

- Demonstrate curiosity and a sense of wonder about the world.
- Observe objects and events in familiar contexts.
- Experience and interpret the local environment.

Social Studies

Curricular Competencies

• Use Social Studies inquiry processes and skills to ask questions; gather, interpret, and analyze ideas; and communicate findings and decisions.

English Language Arts

Big Ideas

• Curiosity and wonder lead us to new discoveries about ourselves and the world around us.

- Learning recognizes the role of Indigenous Knowledge
- Learning involves generational roles and responsibilities

Learning Intention 2 How does water sustain life?

Science

Big Ideas

Kindergarten

• Daily and seasonal changes affect all living things.

Grade 2

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

Grade 3

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

Content

Kindergarten:

• Weather changes, seasonal changes.

Grade 3

• Observable changes in the local environment caused by erosion and deposition by wind, water, and ice.

Curricular Competencies

Kindergarten to Grade-3

- Demonstrate curiosity and a sense of wonder about the world.
- Observe objects and events in familiar contexts.
- Experience and interpret the local environment.

English Language Arts

Big Ideas

• Curiosity and wonder lead us to new discoveries about ourselves and the world around us.

First Peoples Principles of Learning

• Learning recognizes the role of Indigenous Knowledge.

Science

Big Ideas

Kindergarten

• Daily and seasonal changes affect all living things.

Grade 2

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

Grade 3

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

Content

Kindergarten

• Weather changes, seasonal changes

Grade 3

• Observable changes in the local environment caused by erosion and deposition by wind, water, and ice

Curricular Competencies

Kindergarten to Grade-3

- Demonstrate curiosity and a sense of wonder about the world.
- Observe objects and events in familiar contexts.
- Experience and interpret the local environment.

English Language Arts

Big ideas

• Plan and create stories and other texts for different purposes and audiences

First Peoples Principles of Learning

• Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).

<u>Learning Intention 4</u> Where does our drinking water come from?

Science

Big Ideas

Kindergarten

• Daily and seasonal changes affect all living things.

Grade 2

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

Grade 3

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

Content

Kindergarten

• Weather changes, seasonal changes

Grade 3

• Observable changes in the local environment caused by erosion and deposition by wind, water, and ice

Curricular Competencies

Kindergarten to Grade 3

- Demonstrate curiosity and a sense of wonder about the world.
- Observe objects and events in familiar contexts.
- Experience and interpret the local environment.

English Language Arts

Big ideas

• Stories and other texts connect us to ourselves, our families, and our communities.

First Peoples Principles of Learning

• Learning recognizes the role of Indigenous Knowledge.

Learning Intention 5 Some communities do not have clean drinking water. How can we help?

Science

Big Ideas

Kindergarten

• Daily and seasonal changes affect all living things.

Grade 2

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

Grade 3

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

Content

Kindergarten

• Weather changes, seasonal changes

Grade 3

• Observable changes in the local environment caused by erosion and deposition by wind, water, and ice

Curricular Competencies

Kindergarten to Grade-3

- Demonstrate curiosity and a sense of wonder about the world.
- Observe objects and events in familiar contexts.
- Experience and interpret the local environment.

Social Studies

Big ideas

Kindergarten

• Rights, roles, and responsibilities shape our identity and help us build healthy relationships with others.

Grade 1

• Healthy communities recognize and respect the diversity of individuals and care for the local environment.

English Language Arts

Curricular Competencies

- Plan and create a variety of communication forms for different purposes and audiences
- Use personal experience and knowledge to connect to stories and other texts to make meaning

- Learning ultimately supports the well-being of the self, the family, the community, the land, the spirits, and the ancestors.
- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning involves recognizing the consequences of one's actions.
- Learning recognizes the role of Indigenous knowledge.

Learning Intention 6

What are some ways that we can conserve and protect water?

Social Studies

Big ideas

Kindergarten

• Rights, roles, and responsibilities shape our identity and help us build healthy relationships with others.

Grade1

• Healthy communities recognize and respect the diversity of individuals and care for the local environment.

Content Elaborations

Kindergarten

- Needs and wants of individuals and families
- Rights, roles, and responsibilities of individuals and groups

Grade 2

- Relationships between people and the environment in different communities
- How people's needs and wants are met in communities
- Connections to other systems

Science

Big Ideas

Kindergarten

• Daily and seasonal changes affect all living things.

Grade 2

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

Grade 3

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

Content

Kindergarten

• Weather changes, seasonal changes

Grade 3

• Observable changes in the local environment caused by erosion and deposition by wind, water, and ice

Curricular Competencies

Kindergarten to Grade-3

- Demonstrate curiosity and a sense of wonder about the world.
- Observe objects and events in familiar contexts.
- Experience and interpret the local environment.

Content Elaborations

Grade 2

- The Water Cycle
 - Local First People's knowledge of water
 - Water cycles
 - Conservation

English Language Arts

Curricular Competencies

- Plan and create a variety of communication forms for different purposes and audiences
- Use personal experience and knowledge to connect to stories and other texts to make meaning

- Learning ultimately supports the well-being of the self, the family, the community, the land, the spirits, and the ancestors.
- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning involves recognizing the consequences of one's actions.
- Learning recognizes the role of Indigenous knowledge.

Where in the world do we live?

Learning Intention 1 What are maps used for?

Social Studies

Content

Kindergarten

• People, places, and events in the local community, and in local First Peoples communities

Grade 1

• Natural and human-made features of the local environment

First Peoples Principles of Learning

• Learning recognizes the role of indigenous knowledge.

Learning Intention 2 How are maps created?

English Language Arts

Big Ideas

Kindergarten to Grade 2

• Everyone has a unique story to share.

Grade 3

• Language and story can be a source of creativity and joy.

Arts Education

Big Ideas

Kindergarten to Grade 1

• People create art to express who they are as individuals and community.

Grade 1

• People create art to express who they are as individuals and community.

Grade 2

• Creative expression develops our unique identity and voice.

Grade 3

• The arts connect our experiences to the experiences of others.

Social Studies

Curricular Competencies

Kindergarten to Grade 3

- Explain why people's beliefs, values, worldviews, experiences, and roles give them different perspectives on people, places, issues, or events
- Ask questions, make inferences, and draw conclusions about the content and features of different types of sources (evidence)

First Peoples Principles of Learning

• Learning requires exploration of one's identity.

<u>Learning Intention 3</u> Where do I live in British Columbia?

Applied Design, Skills and Technology (ADST)

Big Ideas

Kindergarten to Grade 3

• Skills can be developed through play.

Curricular Competencies

Kindergarten to Grade 3

- Ideating
- Making
- Sharing

English Language Arts

Big Ideas

Kindergarten to Grade 3

• Language and story can be a source of creativity and joy.

Arts Education

Big Ideas

Kindergarten to Grade 1

• People connect to others and share ideas through the arts.

Grade 3

• The arts connect our experiences to the experiences of others.

Social Studies

Curricular Competencies

Kindergarten to Grade 3

• Ask questions, make inferences, and draw conclusions about the content and features of different types of sources (evidence)

Grade 3

• Explain why people's beliefs, values, worldviews, experiences, and roles give them different perspectives on people, places, issues, or events

Content

Kindergarten

• People, places, and events in the local community, and in local First Peoples communities

Grade 1

• Natural and human-made features of the local environment

First Peoples Principles of Learning

• Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).

<u>Learning Intention 4</u> Whose traditional homelands do I live on?

Social Studies

Content

Kindergarten

• People, places, and events in the local community, and in local First Peoples communities

Grade 1

• Natural and human-made features of the local environment

- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning involves generational roles and responsibilities.
- Learning recognizes the role of Indigenous knowledge.
- Learning is embedded in memory, history, and story.

<u>Learning Intention 5</u> Investigate the geographical features of British Columbia

Social Studies

Big Ideas

Grade 3

• Indigenous knowledge is passed down through oral history, traditions, and collective memory.

Content

Kindergarten

• People, places, and events in the local community, and in local First Peoples communities

Grade 1

• Natural and human-made features of the local environment

Grade 2

• Diverse features of the environment in other parts of Canada and the world

Science

Curricular Competencies

Kindergarten to Grade-3

- Demonstrate curiosity and a sense of wonder about the world
- Ask simple questions about familiar objects and events
- Experience and interpret the local environment
- Recognize First Peoples stories (including oral and written narratives), songs, and art as ways to share knowledge
- Take part in caring for self, family, classroom and school through personal approaches
- Express and reflect on personal experiences of place

Grade 2

• Water Cycle

Grade 3

• Landforms

- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning recognizes the role of Indigenous knowledge.
- Learning is embedded in memory, history, and story.

Learning Intention 6 Where do I live in the world?

Social Studies

Curricular Competencies

Kindergarten to Grade-3

• Explain the significance of personal or local events, objects, people, or places

Content

Kindergarten

• People, places, and events in the local community, and in local First Peoples communities

Science

Curricular competencies

Kindergarten to Grade-3

- Experience and interpret the local environment
- Recognize First Peoples stories (including oral and written narratives), songs, and art as ways to share knowledge
- Take part in caring for self, family, classroom and school through personal approaches
- Express and reflect on personal experiences of place

English Language Arts

Big Ideas

• Stories and other texts connect us to ourselves, our families, and our communities.

- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning is embedded in memory, history, and story.

<u>Learning Intention 7</u> Where is the Great Bear Rainforest?

Social Studies

Content

Kindergarten

• People, places, and events in the local community, and in local First Peoples communities

Grade 1

• Natural and human-made features of the local environment

Grade 2

• Diverse features of the environment in other parts of Canada and the world

- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning is embedded in memory, history, and story.

Learning Intention 8 Understanding Indigenous Homelands and Waters and Comparing Map Naming

Social Studies

Big Ideas

Grade 3

• Indigenous knowledge is passed down through oral history, traditions, and collective memory.

Content

Kindergarten

• People, places, and events in the local community, and in local First Peoples communities

Grade 1

• Natural and human-made features of the local environment

Grade 3

• Cultural characteristics and ways of life of local First Peoples and global indigenous peoples

- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning recognizes the role of Indigenous knowledge.
- Learning is embedded in memory, history, and story.

How big is the Great Bear Rainforest?

Learning Intention 1 How big is a hectare?

and

Learning Intention 2 How big is 6.4 million hectares?

Math

Big Ideas

Kindergarten

• Objects have attributes that can be described, measured, and compared.

Grade 1

• Objects and shapes have attributes that can be described, measured, and compared.

Grade 2

• Objects and shapes have attributes that can be described, measured, and compared.

Grade 3

• Standard units are used to describe, measure, and compare attributes of objects' shapes.

Curricular competencies

Reasoning and analyzing

- Estimate reasonably
- Develop mental math strategies and abilities to make sense of quantities
- Use technology to explore mathematics

Understanding and solving

• Develop, demonstrate, and apply mathematical understanding through play, inquiry, and problem solving

Communicating and representing

• Use mathematical vocabulary and language to contribute to mathematical discussions

Kindergarten to Grade 3 Curriculum Alignment

Content

Kindergarten

• Direct comparative measurement (e.g., linear, mass, capacity)

Grade 1

• Direct measurement with non-standard units (non-uniform and uniform)

Grade 2

• Direct linear measurement, introducing standard metric units

Grade 3

• Measurement, using standard units (linear, mass, and capacity)

First Peoples Principles of Learning

• Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).

What animals live in the Great Bear Rainforest?

<u>Learning Intention 1</u> Recognize the diversity of plant and animal life in the Great Bear Rainforest

Science

Big Ideas

Kindergarten

• Plants and animals have observable features.

Grade 1

• Living things have features and behaviours that help them survive in their environment.

Grade 2

- Living things have life cycles adapted to their environment.
- Water is essential to all living things, and it cycles through the environment.

Grade 3

• Living things are diverse, can be grouped, and interact in their ecosystems.

Curricular Competencies

Kindergarten to Grade 3

- Demonstrate curiosity and a sense of wonder about the world
- Ask simple questions about familiar objects and events
- Experience and interpret the local environment
- Recognize First Peoples stories (including oral and written narratives), songs, and art as ways to share knowledge
- Take part in caring for self, family, classroom and school through personal approaches
- Express and reflect on personal experiences of place

Content

Kindergarten

- Basic needs of plants and animals
- Adaptations of local plants and animals
- Local First Peoples uses of plants and animals

Grade 1

- Classification of living and non-living things
- Names of local plants and animals
- Structural features of living things in the local environment
- Behavioural adaptations of animals in the local environment

Grade 2

- Metamorphic and non-metamorphic life cycles of different organisms
- Similarities and differences between offspring and parent
- First Peoples use of their knowledge of life cycles

Grade 3

- Biodiversity in the local environment
- The knowledge of local First Peoples of ecosystems

First Peoples Principles of Learning

• Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).

Learning Intention 2

Why are salmon an important species in the Great Bear Rainforest?

Science

Big Ideas

Kindergarten

• Plants and animals have observable features.

Grade 1

• Living things have features and behaviours that help them survive in their environment

Grade 2

• Living things have life cycles adapted to their environment.

Grade 3

• Living things are diverse, can be grouped, and interact in their ecosystems

Curricular competencies

Kindergarten to Grade-3

- Demonstrate curiosity and a sense of wonder about the world
- Ask simple questions about familiar objects and events
- Experience and interpret the local environment
- Recognize First Peoples stories (including oral and written narratives), songs, and art as ways to share knowledge
- Take part in caring for self, family, classroom and school through personal approaches
- Express and reflect on personal experiences of place

Content

Kindergarten

- Basic needs of plants and animals
- Adaptations of local plants and animals
- Local First Peoples uses of plants and animals

Grade 1

- Classification of living and non-living things
- Names of local plants and animals
- Structural features of living things in the local environment
- Behavioural adaptations of animals in the local environment

Grade 2

- Metamorphic and non-metamorphic life cycles of different organisms
- Similarities and differences between offspring and parent
- First Peoples use of their knowledge of life cycles

Grade 3

- Biodiversity in the local environment
- The knowledge of local First Peoples of ecosystems

Social Studies

Curricular Competencies

- Explain why people, events, or places are significant to various individuals and groups (significance)
- Ask questions, make inferences, and draw conclusions about the content and features of different types of sources (evidence)

- Learning ultimately supports the well-being of the self, the family, the community, the land, the spirits, and the ancestors.
- Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).
- Learning involves recognizing the consequences of one's actions.

How do different animals communicate?

Learning intention 1 How do different animals communicate?

Social Studies

Big Ideas

Kindergarten

• Stories and traditions about ourselves and our families reflect who we are and where we are from.

English Language Arts

Big Ideas

Kindergarten to Grade 3

• Curiosity and wonder lead us to new discoveries about ourselves and the world around us.

Science

Content

Kindergarten

• Adaptations of local plants and animals

Grade 1

• Behavioural adaptations of animals in the local environment

First Peoples Principles of Learning

• Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).

Learning intention 2 Case study: How do wolves communicate?

English Language Arts

Big Ideas

Kindergarten to Grade 3

• Curiosity and wonder lead us to new discoveries about ourselves and the world around us.

Social Studies

Big Ideas

Kindergarten

• Stories and traditions about ourselves and our families reflect who we are and where we are from.

First Peoples Principles of Learning

• Learning is holistic, reflexive, reflective, experiential, and relational (focused on connectedness, on reciprocal relationships, and a sense of place).