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| --- | --- | --- | --- | --- |
| Domain | Kindergarten/ Maternelle | 1 | 2 | 3 |
| Life | * **basic needs** of plants and animals
* Features of local **plants** and **animals** that help them meet their basic needs
* **First Peoples' uses** of plants and animals
 | * The classification of living or non-living things
* structural features of living things in the local environment
* behavioural adaptations of animals in the local environment
 | * metamorphic and non-metamorphic life cycles of different organisms
* similarities and differences between offspring and parent
* Aboriginal knowledge of life cycles
 | * biodiversity in the local environment
* Aboriginal knowledge of ecosystems
* energy - needed for life
 |
| Chemistry &Matter | * properties of familiar materials
 | * specific properties of materials connected to the function of the materials
 | * physical ways of changing materials
* chemical ways of changing materials
 | * atoms or molecules as particles of matter
* properties of materials - related to the particles they consist of
 |
| Physics & Energy | * effects of pushes/pulls on movement
* effects of size, shape, and materials on movement
 | * natural and artificial sources of light and sound (natural and artificial)
* properties of light and sound (properties) that depend on their source and the objects they interact with
 | * types of forces
 | * sources of thermal energy
* transfer of thermal energy
 |
| Weather & Geology | * **weather** changes
* **seasonal changes**
* changes that living things make to accommodate daily and seasonal cycles
 | * common objects in the sky
* Aboriginal knowledge of the sky and landscape
* local patterns in events that occur on Earth and in the sky
 | * water sources, including local watersheds
* water - a limited resource
* the water cycle
 | * major local landforms
* observable changes in the local environment caused by erosion and deposition by wind, water, and ice
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| Domain | 4 | 5 | 6 | 7 |
| Life | * the ways organisms in ecosystems sense and respond to their environment
 | * basic structures and functions of body systems:
	+ digestive
	+ excretory
	+ respiratory
	+ circulatory
 | * the basic structures and functions of body systems:
	+ musculoskeletal
	+ reproductive
	+ hormonal
	+ nervous
 | * natural selection through adaptive radiation - a proposed mechanism of the theory of evolution
* survival needs and interactions between organisms and the environment
 |
| Chemistry & Matter | * solids, liquids, and gases as matter
 | * solutions and solubility
 | * heterogeneous mixtures
* mixtures - separated using a difference in component properties
 | * elements and compounds are substances
* chemical changes
* crystalline structure of solids
 |
| Physics & Energy | * the effect of temperature on pressure in a gas
* energy:
	+ has various forms
	+ is conserved
* devices that transform energy
 | * properties of simple machines and their force effects
* machines:
	+ constructed
	+ found in nature
* power - the rate at which energy is transformed
 | * Newton's three laws of motion
* effects of balanced and unbalanced forces in daily physical activities
* force of gravity
* the overall scale, structure, and age of the universe
* the position, motion, and components of our solar system in our galaxy
 | * electricity - generated in different ways with different environmental impacts
* electricity - used to generate magnetism
 |
| Weather & Geology | * local changes caused by Earth's axis, rotation, and orbit
* features of biomes
* the relationship between the sun and the moon
 | * local types of earth materials
* the rock cycle
* Aboriginal concept of interconnectedness in the environment
* the nature of sustainable practices around BC's living and non-living resources
 | * extreme environments exist on Earth and in the solar system
 | * fossil records and geological dating
* evidence of climate change over geological time and the recent impacts of humans
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