**ORGANISMS GRADE 3-4 SUMMARY DRAFT**

**Grade 3 Learning Standards (From BCEd Curriculum)**

* Biodiversity
* biodiversity: the variety of different types of living things in an ecosystem
* characteristics of local plants, animals and fungi

 -in the local environment

* the knowledge of local First Peoples
* the interconnection between living and non-living things in the local environment; our shared responsibility to care for the local environment (i.e., stewardship); information shared from the local First Peoples community and Elders

-of ecosystems

* population: all the members of the same type of living thing (species) in an area
* communities: different populations in an area living together
* energy is needed for life
* producers (plants), consumers (animals), and decomposers (bacteria and fungi) respond to their environment in energy pyramids (flow of energy in the community from the sun)
* food chains: the flow of food energy from one organism to another (e.g., grass to rabbit to lynx)
* food webs: interconnecting food chains (e.g., a rabbit may be eaten by a lynx or a wolf)

**Grade 4 Learning Standards (From BCEd Curriculum)**

* biomes
* biomes are regions grouped by similar temperature and precipitation (e.g., climate: long-term weather patterns)
* terrestrial biomes
* aquatic/marine biomes

 -as large regions with similar environmental features

\*senses for plants and animals are also part of biology for Gr 4’s, but not covered in this hand-out.

**WHAT DO Grade 3’s and 4’s need to know about living things ?**

**CURRICULAR COMPETENCIES**

Questioning and predicting

Planning and conducting

Processing and analyzing data and information

Evaluating

Applying and innovating

Communicating

**WHY IS IT IMPORTANT?**

**KEY VOCABULARY (include definitions)**

**SOME INQUIRY QUESTIONS**

**SUGGESTED PROVOCATIONS/ACTIVITIES/EXPERIMENTS**

**CROSS-CURRICULAR CONNECTIONS**

**INDIGENOUS PERSPECTIVES**

PLACE is important. We live in a wonderful province, in a rich biome (temperate coniferous rainforest) with great diversity.

The range of habitats in British Columbia includes forests, grasslands, meadows, wetlands, rivers, and intertidal and sub-tidal zones. According to BC Environment figures, these habitats support:

143 species of mammals,

454 bird species

20 amphibian species,

19 reptile species

450 fish species

**RESOURCES**

Science world has a number of activities: <https://www.ceh.ac.uk/our-science/science-issues/freshwater-ecology>