

Garden of the Senses

Ontario Curriculum Connections

Pre-School, JK/SK, Grade 1-3

PRE-SCHOOL *Play-Based Learning / Reggio Emilia*

- Children will have some control over the direction of their learning by choosing activities, objects, and play areas that appeal to them; they will explore their surroundings and be provided with multiple ways and opportunities to express themselves
- Children will learn through experiences of touching, listening, observing, smelling and tasting
- There will not always be an end or goal in sight; children will play and interact based on their interest at the moment

JK/SK *Play-Based Learning*

SCIENCE

- Children will build their awareness of the natural and built environment through hands-on investigations, observations, and questions
- Children will conduct free exploration, focused exploration, and guided activity, practicing questioning, observing & communicating

GRADE 1

SCIENCE

- Investigate and compare the physical characteristics of a variety of plants
- Investigate and compare the basic needs of living things, including the need for air, water, food, etc.
- Describe the characteristics of a healthy environment, with a focus on healthy soil, living and non-living items in the soil
- Describe how showing care and respect for all living things helps to maintain a healthy environment
- Use appropriate science and technology vocabulary, including *investigation, explore, needs, space, and food*, in oral communication

GRADE 2

SCIENCE

- Follow safety procedures & humane practices specific to the care/handling of live animals (insects)
- Compare the physical and behavioural characteristics of a variety insects, using student-generated questions and a variety of methods and resources
- Investigate the ways in which a variety of animals adapt to their environment and/or to changes in their environment, using various methods

GRADE 3

SCIENCE

- Observe and compare the parts of a variety of plants
- Use appropriate science and technology vocabulary, including *stem, leaf, root, pistil, stamen, flower, adaptation, and germination*, in oral communication
- Describe the basic needs of plants, including air, water, light, warmth, and space
- Identify the major parts of plants, including root, stem, flower, stamen, pistil, leaf, seed, and fruit, and describe how each contributes to the plant's survival within the plant's environment (*e.g., the roots soak up food and water for the plant; the stem carries water and food to the rest of the plant; the leaves make food for the plant with help from the sun; the flowers grow fruit and seeds for new plants*)
- Describe the different ways in which plants are grown for food and explain the advantages and disadvantages of locally grown and organically produced food, including environmental benefits
- Plant and germinate seeds