

## Seed Secrets – School Program Curriculum Connections

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### Program summary

Seeds fly, float, hitchhike – and even travel through the stomachs of birds – all in order to spread to new places and grow. Students explore the Garden in search of seeds with parachutes, hooks or fleshy fruit surrounding them. Students will dissect seeds and make Seed Babies to take home.

### Learning Objectives

Students will:

1. Consider how fall differs to the other three seasons
  2. Begin to recognize the variety of seeds found in the natural environment
  3. Discover the ingenious ways that seeds disperse themselves and why
  4. Relate seed dispersal to the life cycle of a flowering plant
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### Kindergarten

#### BIG IDEAS

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

#### CURRICULAR COMPETENCIES

- Observe objects and events in familiar contexts
- Make exploratory observations using their senses
- Discuss observations
- Share observations and ideas orally
- Ask simple questions about familiar objects and events
- Demonstrate curiosity and a sense of wonder about the world
- Experience and interpret the local environment

#### CONTENT

- basic needs of plants and animals
  - adaptations of local plants and animals
  - seasonal changes
  - living things make changes to accommodate daily and seasonal cycles
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## **Grade 1**

### **BIG IDEAS**

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

### **CURRICULAR COMPETENCIES**

- Make simple predictions about familiar objects and events
- Compare observations with predictions through discussion
- Communicate observations and ideas using oral or written language, drawing, or role-play
- Consider some environmental consequences of their actions
- Identify simple patterns and connections
- Ask questions about familiar objects and events
- Demonstrate curiosity and a sense of wonder about the world
- Experience and interpret the local environment

### **CONTENT**

- classification of living and non-living things
  - names of local plants and animals
  - structural features of living things in the local environment
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## **Grade 2**

### **BIG IDEAS**

- Living things have life cycles adapted to their environment.

### **CURRICULAR COMPETENCIES**

- Communicate observations and ideas using oral or written language, drawing, or role-play
  - Consider some environmental consequences of their actions
  - Identify simple patterns and connections
  - Ask questions about familiar objects and events
  - Demonstrate curiosity and a sense of wonder about the world
  - Experience and interpret the local environment
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## **Grade 3**

### **BIG IDEAS**

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

### **CURRICULAR COMPETENCIES**

- Make predictions based on prior knowledge

- Make observations about living and non-living things in the local environment
- Ask questions about familiar objects and events
- Demonstrate curiosity and a sense of wonder about the world
- Experience and interpret the local environment

#### **CONTENT**

- biodiversity in the local environment