

INVESTIGATING INVERTEBRATES

Kindergarten

SCIENCE BIG IDEAS

Plants and animals have observable features.

Learning Standards

Curricular Competencies	Content
Questioning and predicting • Demonstrate curiosity and a sense of wonder about the world • Observe objects and events in familiar contexts • Ask simple questions about familiar objects and events Planning and conducting • Make exploratory observations using their senses • Safely manipulate materials Processing and analyzing data and information • Experience and interpret the local environment • Discuss observations	• basic needs of plants and animals • adaptations of local plants and animals • living things make changes to accommodate daily and seasonal cycles

INVESTIGATING INVERTEBRATES

Grade 1

SCIENCE BIG IDEA

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

Learning Standards

Curricular Competencies	Content
Questioning and predicting • Demonstrate curiosity and a sense of wonder about the world • Observe objects and events in familiar contexts • Ask questions about familiar objects and events • Make simple predictions about familiar objects and events Processing and analyzing data and information • Experience and interpret the local environment • Compare observations with predictions through discussion • Identify simple patterns and connections	• 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

INVESTIGATING INVERTEBRATES

Grade 2

SCIENCE BIG IDEA

Living things have life cycles adapted to their environment.

Learning Standards

Curricular Competencies	Content
Questioning and predicting • Demonstrate curiosity and a sense of wonder about the world • Observe objects and events in familiar contexts • Ask questions about familiar objects and events • Make simple predictions about familiar objects and events Planning and conducting • Safely manipulate materials to test ideas and predictions Processing and analyzing data and information • Experience and interpret the local environment • Compare observations with predictions through discussion • Identify simple patterns and connections Communicating • Communicate observations and ideas using oral or written language, drawing, or role-play • Express and reflect on personal experiences of place	• metamorphic and non-metamorphic life cycles of different organisms • similarities and differences between offspring and parent