

POND PEEKING

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 Communicating • Share observations and ideas orally	• basic needs of plants and animals • adaptations of local plants and animals

POND PEEKING

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 • Sort and classify data and information using drawings, pictographs and provided tables • Identify simple patterns and connections Evaluating • Compare observations with those of others • Consider some environmental consequences of their actions Communicating • Communicate observations and ideas using oral or written language, drawing, or role-play	• 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

POND PEEKING

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 Processing and analyzing data and information • Experience and interpret the local environment • Sort and classify data and information using drawings, pictographs and provided tables • Identify simple patterns and connections Evaluating • Compare observations with those of others • Consider some environmental consequences of their actions Communicating • Communicate observations and ideas using oral or written language, drawing, or role-play	• metamorphic and non-metamorphic life cycles of different organisms • similarities and differences between offspring and parent

POND PEEKING

Grade 3

SCIENCE BIG IDEA

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

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 Planning and conducting • Make observations about living and non-living things in the local environment Processing and analyzing data and information • Experience and interpret the local environment • Sort and classify data and information using drawings or provided tables Evaluating • Identify some simple environmental implications of their and others' actions	• biodiversity in the local environment

POND PEEKING

Grade 4

SCIENCE BIG IDEA

All living things sense and respond to their environment.

Learning Standards

Curricular Competencies	Content
Questioning and predicting • Demonstrate curiosity about the natural world • Observe objects and events in familiar contexts Planning and conducting • Make observations about living and non-living things in the local environment Processing and analyzing data and information • Experience and interpret the local environment Evaluating • Identify some simple environmental implications of their and others' actions	• sensing and responding: — other animals