

# TINY TRANSFORMERS

## Kindergarten SCIENCE BIG IDEAS

Plants and animals have observable features.

### Learning Standards

Curricular Competencies	Content
<p><b>Questioning and predicting</b></p> <ul style="list-style-type: none"><li>• Demonstrate curiosity and a sense of wonder about the world</li><li>• Observe objects and events in familiar contexts</li><li>• Ask simple questions about familiar objects and events</li></ul> <p><b>Planning and conducting</b></p> <ul style="list-style-type: none"><li>• Make exploratory observations using their senses</li><li>• Safely manipulate materials</li></ul> <p><b>Processing and analyzing data and information</b></p> <ul style="list-style-type: none"><li>• Experience and interpret the local environment</li><li>• Discuss observations</li></ul>	<ul style="list-style-type: none"><li>• <b>basic needs</b> of plants and animals</li><li>• <b>adaptations</b> of local <b>plants</b> and <b>animals</b></li><li>• <b>living things make changes</b> to accommodate daily and seasonal cycles</li></ul>

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## Grade 1

### SCIENCE BIG IDEA

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

### Learning Standards

Curricular Competencies	Content
<p><b>Questioning and predicting</b></p> <ul style="list-style-type: none"><li>• Demonstrate curiosity and a sense of wonder about the world</li><li>• Observe objects and events in familiar contexts</li><li>• Ask questions about familiar objects and events</li><li>• Make simple predictions about familiar objects and events</li></ul> <p><b>Processing and analyzing data and information</b></p> <ul style="list-style-type: none"><li>• Experience and interpret the local environment</li><li>• Compare observations with predictions through discussion</li><li>• Identify simple patterns and connections</li></ul>	<ul style="list-style-type: none"><li>• <b>classification</b> of living and non-living things</li><li>• <b>names</b> of local plants and animals</li><li>• <b>structural features</b> of living things in the local environment</li><li>• <b>behavioural adaptations</b> of animals in the local environment</li></ul>

# TINY TRANSFORMERS

## Grade 2

### SCIENCE BIG IDEA

Living things have life cycles adapted to their environment.

### Learning Standards

Curricular Competencies	Content
<p><b>Questioning and predicting</b></p> <ul style="list-style-type: none"><li>• Demonstrate curiosity and a sense of wonder about the world</li><li>• Observe objects and events in familiar contexts</li><li>• Ask questions about familiar objects and events</li><li>• Make simple predictions about familiar objects and events</li></ul> <p><b>Planning and conducting</b></p> <ul style="list-style-type: none"><li>• Safely manipulate materials to test ideas and predictions</li></ul> <p><b>Processing and analyzing data and information</b></p> <ul style="list-style-type: none"><li>• Experience and interpret the local environment</li><li>• Compare observations with predictions through discussion</li><li>• Identify simple patterns and connections</li></ul> <p><b>Communicating</b></p> <ul style="list-style-type: none"><li>• Communicate observations and ideas using oral or written language, drawing, or role-play</li><li>• Express and reflect on personal experiences of <b>place</b></li></ul>	<ul style="list-style-type: none"><li>• <b>metamorphic</b> and <b>non-metamorphic</b> life cycles of different organisms</li><li>• similarities and differences between <b>offspring and parent</b></li></ul>