



# Elementary School Teaching and Learning

## 2022-2023 Scope and Sequence

### Science – Kindergarten

#### OVERVIEW

### LIFE SCIENCE

Units are not taught in the order listed. They are based on the Science Kit Rotation Schedule.

In this unit, students will compare characteristics of organisms that are living and non-living. They will focus on structure, growth, changes, movement, and basic needs of those organisms. Students will also compare animals of the same type looking at the differences between the same type of animal.

UNIT	UNIT DURATION	PARENT/FAMILY RESOURCES	NORTH CAROLINA STANDARDS
Structures and Functions of Living Organisms	Approximately 45 days	<a href="#">Helping Your Child Learn Science</a>	<p><b>K.L.1 Compare characteristics of animals that make them alike and different from other animals and nonliving things.</b></p> <p>K.L.1.1 Compare different types of the same animal (i.e. different types of dogs, different types of cats, etc.) to determine individual differences within a particular type of animal.</p> <p>K.L.1.2 Compare characteristics of living and nonliving things in terms of their:</p> <ul style="list-style-type: none"> <li>• Structure</li> <li>• Growth               <ul style="list-style-type: none"> <li>• Changes</li> <li>• Movement</li> </ul> </li> <li>• Basic needs</li> </ul>



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### Science – Kindergarten

<h2 style="margin: 0;">PHYSICAL SCIENCE</h2> <p style="font-size: small; margin: 5px 0 0 0;">Units are not taught in the order listed. They are based on the Science Kit Rotation Schedule.</p>	<b>OVERVIEW</b>
	<p>In Physical Science, students will be able to independently understand how movement impacts the world around us and will be able to independently describe properties and usage of various materials.</p>

UNIT	UNIT DURATION	PARENT/FAMILY RESOURCES	NORTH CAROLINA STANDARDS
Forces and Motion	Approximately 20 days	<a href="#">Books about Force and Motion</a>	<p><b>K.P.1 Understand the positions and motions of objects and organisms observed in the environment.</b></p> <p>K.P.1.1 Compare the relative position of various objects observed in the classroom and outside using position words such as: in front of, behind, between, on top of, under, above, below and beside.</p> <p>K.P.1.2 Give examples of different ways objects and organisms move (to include falling to the ground when dropped):</p> <ul style="list-style-type: none"> <li>• Straight</li> <li>• Zigzag</li> <li>• Round and round</li> <li>• Back and forth</li> <li>• Fast and slow</li> </ul>
Matter: Properties and Change	Approximately 25 days	<a href="#">Books About Properties of Matter</a>	<p><b>K.P.2 Understand how objects are described based on their physical properties and how they are used.</b></p> <p>K.P.2.1 Classify objects by observable physical properties (including size, color, shape, texture, weight and flexibility).</p> <p>K.P.2.2 Compare the observable physical properties of different kinds of materials (clay, wood, cloth, paper, etc.) from which objects are made and how they are used.</p>



# Elementary School Teaching and Learning

## 2022-2023 Scope and Sequence

### Science – Kindergarten

#### OVERVIEW

### EARTH SCIENCE

Units are not taught in the order listed. They are based on the Science Kit Rotation Schedule.

In Earth Science, students will be able to independently understand how weather patterns affect our lives and lifestyles.

UNIT	UNIT DURATION	PARENT/FAMILY RESOURCES	NORTH CAROLINA STANDARDS
Earth Systems, Structures and Processes	Approximately 45 days	<a href="#">Books about Weather</a>  <a href="#">Book List</a>	<b>K.E.1 Understand change and observable patterns of weather that occur from day to day and throughout the year.</b> K.E.1.1 Infer that change is something that happens to many things in the environment based on observations made using one or more of their senses. K.E.1.2 Summarize daily weather conditions noting changes that occur from day to day and throughout the year. K.E.1.3 Compare weather patterns that occur from season to season.