

## First Grade Science Standards Checklist

√	Date	Checks for Understanding
		<b>Embedded Inquiry</b>
		<input type="checkbox"/> 0107.Inq.1 Use senses and simple tools to make observations.
		<input type="checkbox"/> 0107.Inq.2 Communicate interest in simple phenomena and plan for simple investigations.
		<input type="checkbox"/> 0107.Inq.3 Communicate understanding of simple data using age-appropriate vocabulary.
		<input type="checkbox"/> 0107.Inq.4 Collect, discuss, and communicate findings from a variety of investigations.
		<b>Embedded Technology &amp; Engineering</b>
		<input type="checkbox"/> 0107.T/E.1 Explain how simple tools are used to extend the senses, make life easier, and solve everyday problems.
		<input type="checkbox"/> 0107.T/E.2 Invent designs for simple products.
		<input type="checkbox"/> 0107.T/E.3 Use tools to measure materials and construct simple products.
		<b>Life Science</b>
		<b>Cells</b>
		<input type="checkbox"/> 0107.1.1 Combine pictures of major body parts to assemble a complete animal.
		<input type="checkbox"/> 0107.1.2 Communicate the effect of using tools like magnifiers when examining different body parts.
		<input type="checkbox"/> 0107.1.3 Make diagrams to record and communicate observations.
		<b>Interdependence</b>
		<input type="checkbox"/> 0107.2.1 Identify the basic characteristics of living things.
		<input type="checkbox"/> 0107.2.2 Record information about living or non-living objects in local environments.
		<input type="checkbox"/> 0107.2.3 Sort and classify a variety of living and non-living materials based on their characteristics.
		<b>Flow of Matter and Energy</b>
		<input type="checkbox"/> 0107.3.1 Conduct investigations and record data about the growth of different plants under varying conditions.
		<input type="checkbox"/> 0107.3.2 Describe what plants and animals need in order to grow and remain healthy.
		<b>Heredity</b>
		<input type="checkbox"/> 0107.4.1 Observe, describe, and record the life cycle of a particular animal.
		<input type="checkbox"/> 0107.4.2 Match pictures of parents and related offspring by identifying common characteristics.
		<b>Biodiversity and Change</b>
		<input type="checkbox"/> 0107.5.1 Observe plants and animals on the school grounds and group them according to where they are found.
		<input type="checkbox"/> 0107.5.2 Create a chart of different habitats and match animals to specific locations.
		<input type="checkbox"/> 0107.5.3 Sort pictures or illustrations of animals into groups that are extinct and those that still exist and offer possible explanations for extinction.
		<b>Earth and Space Science</b>
		<b>The Universe</b>
		<input type="checkbox"/> 0107.6.1 Create a chart of things that can be observed in the day and night sky.
		<input type="checkbox"/> 0107.6.2 Identify objects in the sky and describe their observable similarities and differences.
		<b>Earth</b>
		<input type="checkbox"/> 0107.7.1 Create a diagram of the school grounds to identify where water, rocks, soil, living organisms, and man-made objects are found.
		<input type="checkbox"/> 0107.7.2 Sample areas of the school grounds to identify where different materials are found.
		<input type="checkbox"/> 0107.7.3 Use bagged samples of earth materials or pictures from different areas to classify materials according to their use.
		<b>The Atmosphere</b>
		<input type="checkbox"/> 0107.8.1 Collect daily weather information to predict what conditions might occur on the following day.
		<input type="checkbox"/> 0107.8.2 Discuss what makes a weather prediction accurate or inaccurate.
		<b>Physical Science</b>
		<b>Matter</b>
		<input type="checkbox"/> 0107.9.1 Classify solids according to their size, shape, color, texture, hardness, ability to change shape, magnetic attraction, whether they sink or float, and use.
		<input type="checkbox"/> 0107.9.2 Compare liquids according to their color, ability to flow, solubility in water, and use.
		<input type="checkbox"/> 0107.9.3 Investigate and describe the results of mixing different substances such as salt and pepper, water and sand, water and oil, and water and an
		<b>Energy</b>
		<input type="checkbox"/> 0107.10.1 Predict and determine what happens over the course of a school day when containers of sand, soil, and water with thermometers are placed in a sunny window.
		<input type="checkbox"/> 0107.10.2 Predict and determine what happens over the course of a school day when happens over the course of a school day when containers of sand, soil and water with thermometers are placed in a shady location.
		<input type="checkbox"/> 0107.10.3 Compare the temperature at different places around the school such as black top driveway, lawn, concrete areas, side of the building, under a shade tree, wet area, in the ground.
		<b>Motion</b>
		<input type="checkbox"/> 0107.11.1 Use familiar objects to explore how the movement can be changed.
		<input type="checkbox"/> 0107.11.2 Investigate and explain how different surfaces affect the movement of an object.
		<b>Forces in Nature</b>

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	<input type="checkbox"/> 0107.12.1 Identify and classify objects in the classroom as magnetic or non-magnetic.
	<input type="checkbox"/> 0107.12.2 Make predictions about how various objects will be affected by a magnet.