

Second Grade Science Standards Checklist

√	Date	Checks for Understanding
		Embedded Inquiry
		<input type="checkbox"/> GLE 0207.Inq.1 Use senses and simple tools to make observations.
		<input type="checkbox"/> GLE 0207.Inq.2 Communicate interest in simple phenomena and plan for simple investigations.
		<input type="checkbox"/> GLE 0207.Inq.3 Communicate understanding of simple data using age appropriate vocabulary.
		<input type="checkbox"/> GLE 0207.Inq.4 Collect, discuss, and communicate findings from a variety of investigations.
		Embedded Technology & Engineering
		<input type="checkbox"/> 0207.T/E.1 Explain how simple tools are used to extend the senses, make life easier, and solve everyday problems.
		<input type="checkbox"/> 0207.T/E.2 Invent designs for simple products.
		<input type="checkbox"/> 0207.T/E.3 Use tools to measure materials and construct simple products.
		Life Science
		Cells
		<input type="checkbox"/> 0207.1.1 Design a new living thing and explain how it would acquire food, water, and air.
		Interdependence
		<input type="checkbox"/> 0207.2.2 Investigate ways that plants and animals depend on each other.
		<input type="checkbox"/> 0207.2.3 Construct a flow chart that demonstrates how plants, animals, and the environment interact to provide basic life requirements.
		Flow of Matter and Energy
		<input type="checkbox"/> 0207.3.1 Describe the habitat of a particular organism based on its food, water, and air requirements.
		<input type="checkbox"/> 0207.3.2 Design a model of a habitat for an organism in which all of its needs would be met.
		Heredity
		<input type="checkbox"/> 0207.4.1 Compare and contrast the life cycles of different organisms such as a chicken, butterfly, meal worm, frog, or human.
		<input type="checkbox"/> 0207.4.2 Sequence a collection of pictures or illustrations into the correct stages of an organism's life cycle.
		<input type="checkbox"/> 0207.4.3 Look for similarities in pictures of members from the same human family.
		<input type="checkbox"/> 0207.4.4 Create a graphic organizer that compares observable traits that offspring share with their parents.
		Biodiversity and Change
		<input type="checkbox"/> 0207.5.1 Compare and contrast the characteristics of organisms from two different environments.
		<input type="checkbox"/> 0207.5.2 Infer the characteristics needed by an organism to survive in a particular environment.
		<input type="checkbox"/> 0207.5.3 Observe fossils or pictures of fossils and make inferences about the organisms from which they originated.
		<input type="checkbox"/> 0207.5.4 Compare pictures of fossils with animals or plants that are living today.
		Earth and Space Science
		The Universe
		<input type="checkbox"/> 0207.6.1 Observe and collect data on the sun's position at different times of the day.
		<input type="checkbox"/> 0207.6.2 Use science journals to draw and record changes in the moon over a period of time.
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	Earth
	<input type="checkbox"/> 0207.7.1 Sort, analyze, and compare a variety of soil types.
	<input type="checkbox"/> 0207.7.2 Observe rocks of different sizes with a hand lens and describe these materials according to their basic features.
	<input type="checkbox"/> 0207.7.3 Identify and categorize items in the classroom made from renewable or nonrenewable resources.
	<input type="checkbox"/> 0207.7.4 Identify simple methods for reusing the earth's resources.
	The Atmosphere
	<input type="checkbox"/> 0207.8.1 Use records and graphs of seasonal temperature changes to draw conclusions about the weather during different times of the year.
	Physical Science
	Matter
	<input type="checkbox"/> 0207.9.1 Use tools such as hand lenses, measurement devices, and simple arm balances to gather data about the physical properties of different objects.
	<input type="checkbox"/> 0207.9.2 Describe what happens when ice changes from a solid to a liquid.
	<input type="checkbox"/> 0207.9.3 Describe what happens when water is heated to the point of evaporation.
	<input type="checkbox"/> 0207.9.4 Explain what happens when a balloon is blown up and pops.
	Energy
	<input type="checkbox"/> 0207.10.1 Identify and explain how the sun affects objects on the surface of the earth.
	<input type="checkbox"/> 0207.10.2 Investigate how the sun affects various objects and materials.
	Motion
	<input type="checkbox"/> 0207.11.1 Use a variety of objects that vibrate to demonstrate how sounds are produced.
	<input type="checkbox"/> 0207.11.2 Describe the sounds produced by different types of vibrating objects.
	Forces in Nature
	<input type="checkbox"/> 0207.12.1 Explain how two magnets interact.
	<input type="checkbox"/> 0207.12.2 Describe what happens when an object is dropped and record the observations in a science notebook.