

Science
K-5 View of I Can Statements

Kindergarten	First Grade	Second Grade
Earth and Space Science		
1a. name different kinds of weather.	1. use tools to measure and compare earth materials.	1. draw the moon, the seasons, and night/day changing patterns.
1b. name the seasons.	2. give an example of a repeating pattern that happens in nature.	2. give examples of how a biome changes with each season.
1c. tell what kind of weather happens during each season.		

Inquiry		
1. tell how I am a scientist.	1. ask questions about objects, living things, and our world.	1. ask questions about objects, living things, and our environment to get information or solve problems.
2. ask questions about what I am observing.	2. plan and do an investigation.	2. plan and safely do investigations.
3a. use tools and my five senses to learn.	3. use tools and mathematics to gather and record data.	3. use tools, mathematics, technology, and other resources to investigate questions.
3b. write, draw, or tell what I am observing.	4. draw or write my observations and conclusions.	4. draw or write my observations and conclusions.
	5. describe my investigations and what I learned with my class.	5. describe my investigation and use data to explain what I learned with my class.

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Life & Environmental Science		
1. tell or show how living things are different from nonliving things.	1. list the basic needs of plants and animals.	1. list the basic needs of plants and animals and explain why these needs are important.
2. sort living and nonliving things.	2. identify properties of plants and animals.	2. draw or give examples of plant and animal life cycles.
3. tell, write, or draw the basic needs of living things.	3. tell how people, seasons, and weather can affect plants and animals in a habitat.	3. tell how animals and plants live together in a habitat.
4. draw/journal about a habitat and the nonliving and living things found there.		4a. give examples of how animals' bodies help them survive in their habitat.
		4b. give examples of how the parts of plants help them survive in their habitat.
		5. describe how changes in a habitat can help or hurt animals and plants.

Physical Science		
1. use measuring tools and senses to tell about objects.	1. use tools to measure and compare objects.	1. investigate and describe if an object is stable or unstable.
2. guess and record which objects sink or float.	2. draw or write my observations about what objects are made of and how they move.	2. describe how an object moves from one position to another.
		3. explain how to change the motion of an object.

Science
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Third Grade	Fourth Grade	Fifth Grade
Earth and Space Science		
1. observe and describe the properties and behavior of water.	1. observe and describe various earth materials.	
2. draw, label, and explain Earth's water cycle.	2a. describe the different forms of matter (solid, liquid, and gas).	
	2b. give examples of how matter changes from one form to another.	
	3. explain how fossils were formed.	

Inquiry		
1. ask questions and make predictions that can be answered through scientific investigations.	1. ask questions and make predictions in an investigation.	1a. use a science notebook to ask questions, record, and label my data on tables and graphs.
2. organize, set up, and safely carry out scientific investigations.	2. organize, set up, and safely carry out scientific investigations.	1b. use data to make predictions and explain relationships.
3. use written materials, living, and non-living resources to investigate questions.	3. use tools, mathematics, technology, and other resources to gather, process, and interpret data from scientific investigations.	2. plan and safely carry out science experiments.
4. use tools, mathematics, and technology to gather, process, and interpret data from scientific investigations.	4. explain why only one variable is changed in an investigation.	3. use appropriate scientific tools and mathematics tools to collect and interpret data.
5. describe investigations, record data, and explain results.	5. summarize and share the evidence from the scientific investigations.	4. explain why only one variable is changed during in an investigation and the importance of repeating the investigation.
	6. apply the results of my investigations to everyday life.	5. use evidence to give a reasonable explanation for the experiment results.
		6. compare and contrast group results with class data.

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Third Grade	Fourth Grade	Fifth Grade
Life & Environmental Science		
1a. observe and describe the properties of living things.	1a. identify and describe the importance of different types of bones, muscles, and joints in the human body system.	1. identify environmental factors and how changes to the environment can be helpful or harmful.
1b. compare and contrast living organisms.	1b. explain how bones, muscles, and joints work together for movement and survival.	2. explain and give examples of preferred and optimum environments for living organisms.
2. label the structures of living organisms and describe their functions.	2. use what I've learned to have better health habits.	3. compare and contrast major biomes of the world.
3. draw the stages of an organism's life cycle.		

Physical Science		
1. give an example of water in each of the states of matter: solid, liquid and gas.	1a. identify magnetic force and how to increase and decrease the force.	1. use tools to accurately measure liquids and solids and graph results.
2. describe how water can be changed from one state of matter to another and yet the amount remains the same.	1b. identify and explain how an electromagnet works.	2a. explain and give examples of separating mixtures.
3. observe and describe the properties of sound.	2a. identify and build different types of circuits.	2b. explain and give examples of solutions and saturation.
4. describe how sound is produced.	2b. explain the difference between a conductor and an insulator.	2c. explain and give examples of concentration of solutions.
5. explain the difference between volume and pitch and how they can be changed.	3. give examples of the every day use of electricity.	2d. identify when a chemical reaction has happened.
6. describe the materials that sound travels through and how the material affects the sound.		3. build a system and explain how changing one variable at a time affects the outcome of the system.
		4. explain and give examples of how forces affect the motion of an object.