

4th Grade Science

I-Can Statements

Nutrition and Staying Healthy	
I can make informed decisions based on the food guide pyramid and the MyPlate model.	
I can list things that I can do to stay healthy.	
I can explain the difference between infectious and non-infectious diseases.	
I can list examples of infections and non-infectious diseases.	
I can explain how germs enter the body and cause disease.	
I can list ways the body can defend itself against germs.	
Earth's Land Resources	
I can identify the natural processes that cause rocks to break down into smaller pieces.	
I can describe how waves, wind, water, and ice shape and reshape Earth's surface.	
I can identify and investigate environmental issues and potential solutions.	
I can recognize the impact of scientific and technological activities on the natural world.	
I can identify ways human activity impacts the environment.	
I can explain how the solution addresses the problem.	
Sound	
I can identify a variety of sound sources and receivers.	
I can investigate how sounds are made when objects vibrate.	
I can explain how the length/size of the sound source affects the rate of vibration and the pitch.	
I can compare and contrast the properties of solids, liquids, and gases.	
I can observe how sound travels through three states of matter: solid, liquid, and gas.	
I can compare and contrast how sound travels through different mediums. (e.g. wood vs. metal)	
Human Body	
I can identify the systems of the human body.	
I can define the purpose of the skeletal system.	
I can define the purpose of the muscular system.	
I can define the purpose of the digestive system.	
I can define the purpose of the circulatory system.	
I can define the purpose of the respiratory system.	
I can define the purpose of the nervous system.	

Inventions	
I can observe a problem and determine the steps needed to solve it.	
I can make predictions and test them using trial and error.	
I can use my past experiences and knowledge to explain scientific events.	
I can explain and demonstrate how/that the solution addresses the problem.	
I can draw a conclusion based on observations and experiments.	
I can ask questions and use facts to explain my answers (invention presentation)	
I can explain the process of scientific investigations. (invention presentation)	
I can identify men and women who have made contributions to science.	
I can explain the uses and effects of science in our interaction with the natural world.	
Weather and Climate	
I can identify where water exists on Earth.	
I can describe the water cycle involving the processes of evaporation, condensation, precipitation, and collection.	
I can identify cumulus, cirrus, and stratus clouds.	
I can measure, record, and describe weather conditions using common instruments.	
I can record and compare high and low temperatures over a period of time.	
I can describe how heating or cooling changes the properties of a substance.	
I can compare and contrast the properties of solids, liquids, and gases.	
General	
I can ask questions about the natural world that can be investigated scientifically.	
I can use appropriate measurement tools.	
I can group according to properties and/or purpose.	