

Science Targets - Grade 4

Earth and Space Science	Environmental Science	History and Nature	Life Science	Physical Science	Science as a Process
___ I can describe the water cycle involving the processes of evaporation, condensation, precipitation, and collection.	___ I can identify and investigate environmental issues and potential solutions.	___ I can explain the uses and effects of science in our interaction with the natural world.	___ I can identify the systems of the human body.	___ I can describe how heating or cooling changes the properties of a substance.	___ I can ask questions and use facts to explain my answers.
___ I can identify where water exists on Earth.	___ 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 define the purpose of each system.	___ I can compare and contrast the properties of solids, liquids, and gases.	___ I can explain and demonstrate how/that the solution addresses the problem.
___ I can measure, record, and describe weather conditions using common instruments.		___ I can recognize the impact of scientific and technological activities on the natural world.	___ I can explain how germs enter the body and cause disease.	___ I can investigate how sounds are made when objects vibrate.	___ I can observe a problem and determine the steps needed to solve it.
___ I can identify cumulus, cirrus, and stratus clouds.		___ I can explain the process of scientific investigations.	___ I can list the ways the body can defend itself against germs.	___ I can identify a variety of sound sources and receivers.	___ I can group according to properties and/or purpose.
___ I can identify the natural processes that cause rocks to break down into smaller pieces.		___ I can ask questions about the natural world that can be investigated scientifically.	___ I can explain the difference between infectious and non-infectious diseases.	___ I can explain how the length of the sound source affects the rate of vibration and pitch.	___ I can use appropriate measurement tools.
___ I can describe how waves, wind, water, and ice shape and reshape Earth's surface.		___ I can identify men and women who have made contributions to science.	___ I can list examples of infectious and non-infectious diseases.	___ I can observe how sound travels through three states of matter: solid, liquid, and gas.	___ I can make predictions and test them using trial and error.
___ I can identify and investigate environmental issues and potential solutions.			___ I can list things that I can do to stay healthy.	___ I can compare and record how sound travels through different mediums.	___ I can use my past experiences and knowledge to explain scientific events.
					___ I can draw a conclusion based on observations and experiments.