

Kindergarten Science: I Can Statements

Processes, Content Statements & Expectations (Disciplinary Knowledge)	I Can Statement
K-7 Standard S.IP: Develop an understanding that scientific inquiry and reasoning involves observing, questioning, investigating, recording, and developing solutions to problems	
S.IP.00.11 Make purposeful observation of the natural world using the appropriate senses.	I can use my senses to understand the world around me. I can use my sense of (touch, smell, taste, and hearing, sight) to understand the world around me.
S.IP.00.12 Generate questions based on observations.	I can use my senses to ask questions about what's around me. (who, what, where, when, why, how)
S.IP.00.13 Plan and conduct simple investigations	I can make a plan to find out more about the needs of living things.
S.IP.00.14 Manipulate simple tools (for example: hand lens, pencils, balances, non-standard objects for measurement) that aid observation and data collection.	I can use hand lens and balances to look at and collect information.
S.IP.00.15 Make accurate measurements with appropriate (non-standard) units for the measurement tool.	I can use my fingers, hands and/or feet to measure objects.
S.IP.00.16 Construct simple charts from data and observations.	I can make a chart.
K-7 Standard S.IA: Develop an understanding that scientific inquiry and investigations require analysis and communication of findings, using appropriate technology.	
S.IA.00.12 Share ideas about science through purposeful conversation.	I can talk about my senses.
S.IA.00.13 Communicate and present findings of observations.	I can tell you what I learned using my senses.
S.IA.00.14 Develop strategies for information gathering (ask an expert, use a book, make observations, conduct simple investigations, and watch a video).	I can tell you ways to get information. (ask someone, use a book, make observations, conduct simple investigations, watch video)
K-7 Standard S.RS: Develop an understanding that claims and evidence for their scientific merit should be analyzed. Understand how scientists decide what constitutes scientific knowledge. Develop an understanding of the importance of reflection on scientific knowledge and its application to new situations to better understand the role of science in society and technology.	
S.RS.00.11 Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.	I can draw a person and label the body parts.
K-7 Standard S.IP: Develop an understanding that scientific inquiry and reasoning involves observing, questioning, investigating, recording, and developing solutions to problems	
S.IP.00.11 Make purposeful observation of the natural world using the appropriate senses.	I can use my senses to tell about living or nonliving things.

S.IP.00.12 Generate questions based on observations using the senses.	I can ask questions about living things.
S.IP.00.13 Plan and conduct simple investigations using the senses.	I can make a plan to find out more about the needs of living things.
S.IP.00.14 Manipulate simple tools (hand lens, balances) that aid observation and data collection.	I can use tools to help me tell if something is living or nonliving.
S.IP.00.16 Construct simple charts from data and observations.	I can make a simple chart showing if something is living or nonliving.
K-7 Standard S.IA: Develop an understanding that scientific inquiry and investigations require analysis and communication of findings, using appropriate technology.	
S.IA.00.12 Share ideas about the senses through purposeful conversation.	I can talk about what living things need.
S.IA.00.13 Communicate and present findings of observations.	I can share what I see.
S.IA.00.14 Develop strategies for information gathering (ask an expert, use a book, make observations, conduct simple investigations, and watch a video).	I can learn about living and nonliving things by (asking an expert, using a book, making observations, doing an investigation, and watching a video).
K-7 Standard S.RS: Develop an understanding that claims and evidence for their scientific merit should be analyzed. Understand how scientists decide what constitutes scientific knowledge. Develop an understanding of the importance of reflection on scientific knowledge and its application to new situations to better understand the role of science in society and technology.	
S.RS.00.11 Demonstrate science concepts about the senses through illustrations, performances, models, exhibits, and activities.	I can draw a flower and label the parts.
K-7 Standard P.FM: Develop an understanding that the position and/or motion of an object is relative to a point of reference. Understand forces affect the motion and speed of an object and that the net force on an object is the total of all of the forces acting on it. Understand the Earth pulls down on objects with a force called gravity. Develop an understanding that some forces are in direct contact with objects, while other forces are not in direct contact with objects.	
P.FM.00.11 Describe the position of an object (above, below, in front of, behind, on) in relation to other objects around it.	I can tell you where something is. (above, below, in front of, behind, on)
P.FM.00.12 Describe the direction of a moving object (for example: away from or closer to) from different observers' view.	I can tell you where something is. (above, below, in front of, behind, on)
P.FM.00.21 Observe how objects fall toward the earth.	I can observe objects falling to the ground. (gravity)
P.FM.00.31 Demonstrate pushes and pulls on objects that can move.	I can show a push or pull.

P.FM.00.32 Observe that objects initially at rest will move in the direction of the push or pull.	I can show what direction an object will move with a push or pull.
P.FM.00.33 Observe how pushes and pulls can change the speed or direction of moving objects.	I can tell how hard I push or pull something makes it go faster or slower.
P.FM.00.34 Observe how shape and mass of an object can affect motion.	I can tell you how the shape of something can change how it moves.
K-7 Standard E.SE: Develop an understanding of the properties of earth materials and how those properties make materials useful. Understand gradual and rapid changes in earth materials and features of the surface of Earth. Understand magnetic properties of Earth.	
E.SE.00.11 Identify Earth materials that occur in nature (rock, sand, soil, and water).	I can tell you that rocks, sand, soil, and water are earth materials.