

Science Kindergarten

Next Generation Science Standards					
K-PS2 Motion and Stability: Forces and Interactions K-PS3 Energy K-LS1 From Molecules to Organisms: Structures and Processes K-ESS2 Earth's Systems K-ESS3 Earth and Human Activity K-2-ETS1 Engineering Design					
Technology					
SMART Board, Elmo, laptop, iPads, YouTube, Mystery Science, iPad apps					
Standards	Essential Questions	Content	Skills	Assessment	Resources
Scientific Skills K-2-ETS1	Scientific Skills How do scientists observe the world?	Scientific Skills -Observations using five senses -Tools and safety: magnifying glass, ruler, measuring cups, thermometer, balance	Scientific Skills -Apply the appropriate sense to observe -Use tools safely	Scientific Skills -Teacher observations	Scientific Skills -TBD
Plants K-LS1	Plants How do plants grow and change?	Plants -Parts -Life cycle -Basic needs	Plants -Identify roots, stems, leaves, flowers, and seeds of a plant -Sequence the life cycle of plants -Identify the five basic needs of plants	Plants -Teacher observations	Plants -Non-fiction books
Animals K-LS1	Animals How do animals grow and change?	Animals -Characteristics -Life cycle -Basic needs -Habitats	Animals -Categorize animals by characteristics -Sequence the life cycle of animals -Identify the four basic needs of animals -Identify the correct habitats for animals	Animals -Teacher observations	Animals -Non-fiction books

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Weather K-ESS2 K-ESS3 K-PS3	Weather How and why is weather measured?	Weather -Sunlight -Wind -Temperature -Precipitation -Natural Hazards: tornado, earthquake, flood, blizzard	Weather -Record and graph daily weather -Measure temperature -Discuss how temperature affects the type of precipitation -Recognize how weather affects daily activities -Identify causes of natural hazards -Determine how to prepare for and react to natural hazards	Weather -Teacher observations	Weather -Non-fiction books -Calendar
Natural Resources K-ESS2 K-ESS3	Natural Resources How are natural resources used and conserved?	Natural Resources -Reduce, Reuse, Recycle -Human impact	Natural Resources -Identify natural resources -Recognize how to conserve natural resources	Natural Resources -Teacher observations	Natural Resources -Recycle bins and Paper Gator
Force and Motion K-PS2	Force and Motion How can the motion of objects be changed?	Force and Motion -Push -Pull -Speed -Direction -Gravity -Interactions	Force and Motion -Identify push and pull as ways to move things -Categorize all movements as either pushes or pulls -Use pushes and pulls to solve problems -Identify that gravity is a force that holds objects to the Earth -Change the direction of an object by pushing or pulling	Force and Motion -Teacher observations	Force and Motion -TBD