Younger Preschoolers

Physical Sciences	**Children construct concepts of the properties of matter, sound, motion and energy through inquiry, exploration and investigations.** 1 Investigate and describe different types or speeds of motion 2 Use objects to effect motion (e.g., build ramp with blocks so cars go faster) 3 Investigate and identify solids and liquids
Life Sciences	**Children construct concepts about the characteristics of living organisms, their biology and ecosystems through exploration and investigations.** 1 Identify living from non-living things 2 Identify and describe the functions of some body parts (e.g., use my legs to run) 3 Categorize common living things as either plants or animals
Earth and Space Sciences	**Children construct concepts about Earth's systems, the impacts of human activity on these systems, and Earth's place in the universe through observations, exploration, and investigations.** 1 Observe and discuss changes in weather from day to day 2 Compare and describe texture of different earth materials.
Engineering Design	**Children design, experiment, construct, alter, and problem solve to modify the natural world and meet their needs and wants.** 1 Investigate properties of movement through ramps, pulleys, tracks, etc. 2 Understand cause & effect (e.g., if I do this then that will happen) 3 Build and rebuild elaborate structures out of a variety of materials experimenting with substance, height, breadth, and balance 4 Use simple tools to experiment and observe functions 5 Investigate objects that require positioning and movement