

K-5 SCIENCE GOALS and MATERIALS MATRIX for STAFF DEVELOPMENT

Grade/Focus	GOAL 1	GOAL 2	GOAL 3	GOAL 4
Kindergarten Observation	G.1 The learner will make observations and build an understanding of similarities and differences in animals. Animals 2x2--FOSS	G.2 The learner will make observations and build an understanding of weather concepts. Weather-- STC	G.3 The learner will make observations and build an understanding of the properties of common objects. 2. Investigating Properties-- TRACS	G.4 The learner will use appropriate tools and measurements to increase their ability to describe their world. 1. Comparing and Measuring-- STC
Grade 1 Classification	G.1 The learner will conduct investigations and make observations to build an understanding of the needs of living organisms. Organisms—STC	G.2 The learner will make observations and use student – made rules to build an understanding of solid earth materials. Pebbles, Sand and Silt--FOSS	G.3 The learner will make observations and conduct investigations to build an understanding of the properties and relationship of objects. 1. Solids and Liquids --STC	G.4 The learner will make observations and conduct investigations to build an understanding of balance, motion, and weighing of objects. 2. Balance and Motion--FOSS
Grade 2 Change	G.1 The learner will conduct investigations and build an understanding of animal life cycles. Life Cycles of Butterflies—STC	G.2 The learner will conduct investigations and use appropriate tools to build an understanding of the changes in weather. 2. Air and Weather--FOSS	G. 3 The learner will observe and conduct investigations to build an understanding of changes in properties. 1. Changes--STC	G.4 The learner will conduct investigations and use appropriate technology to build an understanding of sound. Sound--Insights
Grade 3 Patterns and Systems	G.1 The learner will conduct investigations and build an understanding of plant growth and adaptations. Plant Growth and Development-- STC	G.2 The learner will conduct investigations to build an understanding of soil properties. 2. Soils--STC	G.3 The learner will make observations and use appropriate technology to build an understanding of the earth/moon/sun system. Investigating Objects in the Sky-- TRACS	G.4 The learner will conduct investigations and use appropriate technology to build an understanding of the form and function of the skeletal and muscle system of the human body. 1. Human Body—FOSS
Grade 4 Analyzing Systems	G.1 The learner will make observations and conduct investigations to build an understanding of animal behavior and adaptation. Animal Studies--STC	G.2 The learner will conduct investigations and use appropriate technology to build an understanding of the composition and uses of rocks and minerals. Earth Materials-- FOSS	6.3 The learner will make observations and conduct investigations to build an understanding of magnetism and electricity. 2. Magnetism and Electricity-- FOSS	G.4 The learner will conduct investigations and use appropriate technology to build an understanding of how food provides energy and materials for growth and repair of the body. 1. Food Chemistry--STC
Grade 5 Energy Interactions	G.1 The learner will conduct investigations to build an understanding of the interdependence of plants and animals. Ecosystems--STC	G.2 The learner will make observations and conduct investigations to build an understanding of landforms. 2.Landforms--FOSS	G.3 The learner will conduct investigations and use appropriate technology to build an understanding of weather and climate. Investigating Weather Systems— TRACS	G.4 The learner will conduct investigations and use appropriate technologies to build an understanding of forces and motion in technological designs. 1. Motion and Design--STC

Bold indicates a new goal for that grade and a new kit for that grade. 1 indicates 1st priority for purchase 2 indicates 2nd priority for purchase