

**Science Curriculum Guide
Grade 1**

State Standards	St. Louis Park Outcomes	District-Wide, Common Assessments	Units/Topics/Activities	Materials and Resources
I. HISTORY & NATURE OF SCIENCE B. Scientific Inquiry Standard: The student will raise questions about the natural world, make careful observations, and seek answers.	**Identify and describe properties of living and non-living things Examine patterns of growth in living things Make predictions about possible outcomes, given several variables	FOSS assessments for each unit	FOSS: Plants – on-going throughout the year: Activity 1 – Brassica and Activity 2 – Grass Rocks -- Activity 1 and 2 (3 and 4 optional) Solids and Liquids -- Activity 4	
II. PHYSICAL SCIENCE A. Structure of Matter Standard: The student will understand that objects have physical properties.	**Identify and describe properties of living and non-living things **Sort and classify objects based on various properties	FOSS assessments	FOSS: Rocks – Activity 1 and 2 Solids and Liquids– Activity 1 and 3 Plants – Activity 1, 2, and 3	
III. EARTH & SPACE SCIENCE B. The Water Cycle, Weather and Climate Standard: The student will investigate weather cycles.	**Observe, gather, record and describe data about living and non-living things	Embedded in mathematics assessments	Weather (included for observing, describing and graphing) done in Mathematics	TrailBlazers
IV. LIFE SCIENCE G. Human Organism Standard: The student will learn that some diseases are caused by germs.	Demonstrate behaviors that reduce the risk of spreading disease	Teacher Observation	Part of the Health curriculum– Hand-washing demonstration	Great Body Shop: Head to Toes
IV. LIFE SCIENCE B. Organisms Standard: The student will observe plant and animal life cycles.	Examine patterns of growth in living things	FOSS assessment: Draw the life cycle of a plant	Plants – growing in different conditions	FOSS Westwood – Homes and Habits (optional)
II. PHYSICAL SCIENCE E. Forces of Nature Standard: The student will understand that forces can act at a distance.	Exposure		Discuss force as part of Mathematics. Explain “racers” to talk about the forces acting on the car	TrailBlazers - Car Racer – Build a better car
IV. LIFE SCIENCE D. Heredity Standard: The student will understand that there is variation	Exposure		In social studies	?

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among individuals of one kind within a population.				
IV. LIFE SCIENCE F. Flow of Matter and Energy Standard: The student will understand that organisms have basic needs.	Identify the basic needs of living things	List basic needs of animals and plants	Plants – life cycle	FOSS
IV. LIFE SCIENCE G. Human Organism Standard: The student will know that the human body is made up of parts.	Identify the major parts of the body	Checklist Label a picture	Part of the Health curriculum – Body -parts	Great Body Shop: Head to Toes
No state standard but deemed important in St. Louis Park	Participate in responsible use of resources (recycling, use of water and electricity)	Teacher Observation	Possible ideas: Conservation Recycling Water Electricity Organics Composting	Scott Anderson, St. Louis Park Waste Management, is great speaker resource VIP Speakers

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