

Program Name: Vascular/Nonvascular Plants

Grade: Fifth

<p>Objective: The student will investigate and understand basic plant anatomy and life processes. Key concepts include the structures of typical plants (leaves, stems, roots, and flowers) and the processes and structures involved with reproduction (pollination, stamen, pistil, sepal, embryo, spore, and seed). The student will investigate and understand that organisms are made of cells and have distinguishing characteristics.</p> <p>Description: Students will learn plant anatomy as they rotate through five plant stations. The stations are roots, stem, leaves, flowers, and seeds. Each stations has a display board and activity for the students to accomplish.</p>	<p>Activities & Resources:</p> <p>Teacher resource notebook with lesson plan.</p> <p>Day One—Vascular Activities:</p> <p>Station #1, Roots: Students explore different types of roots an the #1, Roots—Students explore different types of roots and the interdependence between roots and soil.</p> <p>Station #2, Stems: Students examine stems, their function, and parts.</p> <p>Station #3, Leaves: Students learn about photosynthesis, the structure of leaves and leaf identification.</p> <p>Station #4, Flowers: Students observe and identify the various parts of the flower and their function in the reproduction of the plant.</p> <p>Station #5, Seeds: Students examine seeds, their various parts, and means of dispersal.</p> <p>Day Two—Non-vascular Activities:</p> <p>Station #1, Mosses: Students examine the structure of mosses</p> <p>Station #2, Liverwort and Hornworts: Using hand lenses students examine these plants.</p> <p>Station #3, Ferns: Students use a microscope to examine ferns and their reproductive process.</p> <p>Plant Jeopardy</p>	<p>SOL's: 5.5c</p> <p>Format: and Requirements:</p> <p>Presented by the District staff or Master Gardener volunteer in the your classroom.</p> <p>Program is one hour in length and is presented to one class at a time. Students need to bring pencils. We need to set up this program in one room and have the classes rotate to that location.</p> <p>Please note: This is a two day program. Vascular plants are presented on the first day and nonvascular on the second day.</p>
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