



Plant Anatomy

Target Grade: 4,5

Students will learn the basic parts of the plant, plant reproductive strategies, and the value of plants as a natural resource.

<p>Format & Requirements</p>	<ul style="list-style-type: none"> • Plant Anatomy is available as a presentation ranging between 45-60 minutes. It will be presented either by our education specialist or by a Master Gardener volunteer. • Because the classroom presentation involves rotating through stations, the program will generally be held in one room which different classrooms will alternate attending. • Plant Anatomy can be checked out as a conservation capsule.
<p>Activities & Resources</p>	<ul style="list-style-type: none"> • Conservation Capsule format includes Teacher Resource Notebooks with lesson plans and background information. • All necessary elements will be included for Supermarket in a Bag Activity, Plant Part Mad Libs, Flowers from the Moon, Leaf Rubbings, Seed Dissection, and Plant Jeopardy.
<p>Standards of Learning</p>	<p>Science</p> <ul style="list-style-type: none"> • 4.4 The student will investigate and understand basic plant anatomy and life processes. Key concepts include a) the structures of typical plants (leaves, stems, roots, and flowers); b) processes and structures involved with reproduction (pollination, stamen, pistil, sepal, embryo, spore, and seed); c) photosynthesis (sunlight, chlorophyll, water, carbon dioxide, oxygen, and sugar). • 4.8 The student will investigate and understand important Virginia natural resources. Key concepts include b) animals and plants. • 5.5 The student will investigate and understand that organisms are made of cells and have distinguishing characteristics. Key concepts include c) vascular and nonvascular plants. <p>English</p> <ul style="list-style-type: none"> • 4.7 The student will write effective narratives, poems, and explanations by e) utilizing elements of style, including word choice and sentence variation; f) writing rhymed, unrhymed, and patterned poetry. • 5.4 The student will read fiction and nonfiction with fluency and accuracy by a) using context to clarify meaning of unfamiliar words; and b) using knowledge of root words, prefixes, and suffixes.