

Virginia Essentialized Standards of Learning (VESOL) Science Instruction Resource

Teachers providing VESOL science instruction should consult the Virginia Department of Education (VDOE) [Science Standards of Learning](#), [Science Instruction Resources](#), and [Science Assessment Resources](#) for the most up-to-date science instruction information and resources.

In addition, resources found on these websites may be used to enhance VESOL science instruction:

National Science Foundation	A diverse collection of lessons and web resources, arranged by science content area, for classroom teachers, K-12 students, and their families.
PBS Learning Media	Public Broadcasting Learning media collection of videos, lesson plans, and interactive tools filtered by grade level for earth and space science, life science, physical science, practices and nature of science and instrumentation, measurement and units
Smithsonian Teaching Resources	Smithsonian searchable site for hands-on activities, posters, handouts, science literacy resources and featured collections for multiple science topics across all grade levels
Mystery Science	Grades K-5 lesson plans and activities aligned with Common Core and Next Generation Science standards
Newsela	Newseela sample science lessons and curriculum complements available for free; paid subscription required to access full site
Science News for Students	Science News for Students free resources to help students learn about science, including stories about recent research and current events in STEM fields
National Geographic	Educational resource library, searchable by topic and grade level K-12, for articles, activities, infographics, lessons, pictures, or videos for geography, earth science biology and chemistry
American Chemical Society	American Chemical Society resources, articles, and videos for a variety of chemistry topics
Data Nuggets	Data Nuggets collection of activities that bring real scientific data into the classroom and resource collection for other science curriculum enhancements
Teach Chemistry	American Association of Chemistry Teachers free resources for teachers including activities, animations, projects, simulations and videos for K-12