Discus

STEM Resources in Discus – South Carolina's Virtual Library

Database/Resource	Grade Level	Content and Special Features
Academic Search Premier	11 – 12+	Thousands of full-text journal articles in biology, chemistry, physics, and engineering, mathematics: *Mathematics Teaching; Journal of Computational Mathematics, Educational Studies in Mathematics; American Journal of Mathematics , Journal of Engineering Technology; Mechanical Engineering; Journal of Computer Security; Journal of Research on Computing in Education; Technology and Children; Technology Teacher*
Animal Kingdom	K - 4	Explore Animals by Group or by Habitat; Featured Videos; Related Links; *Did You Know?* trivia
Applied Science and Technology Full Text	12+	Full-text articles and indexing on applied science specialties—acoustics to aeronautics, neural networks to nuclear and civil engineering, computers and informatics and much more—from leading trade and industrial journals, professional and technical society journals, specialized subject periodicals**,** and conference proceedings.
Biography in Context	K - 12	**Browse People** for bios on general STEM occupations **Search More People or Advanced search> Person Search** for specific STEM occupation biographies such as: aerodynamic engineers, biophysicists, mathematicians, technologists, systems engineers. Highlight text, create notes, citation tool; lexile range search
BrainPOP, Jr	K - 3	**61 science movies** in 11 categories *Making and Testing Predictions, Making Observations, Being a Scientist, Scientific Method;***56 math movies** in 10 categories; **8 technology** movies, games, quizzes, science experiments
Britannica School Elementary, Middle, and High	K – 5 6 -8 9 - 12	Build resource packs and lesson plans, view other lesson plans Browse topics, search curated articles, audioclips, and maps. Articles, images, videos, primary documents; curriculum standards.
Britannica Learning Zone	K - 2	Explore countries, animals, and culture from interactive world map; early math skills. Draw, Play, and Read. Basic dictionary. Audio-enabled.
Career Transitions	6 - 12	Software to search jobs, create resumes and cover letters, take a career interest assessment, and explore careers. Browse 16 career categories, some of which include STEM related careers.
Computer Source	11 – 12+	Latest information and current trends in high technology in over 300 publications; topics of computer science, programming, artificial intelligence, cybernetics, information systems, robotics, and software.
Credo Reference	5 - 12	Create concept maps for STEM topics; Comprehensive Topic Pages; *D-K Eyewitness* series books on science, health and medicine, technology, and engineering. **STEAM Jobs in** and **STEM Everyday** book series

		STEM Everyday series
CultureGrams Kids Edition K-6 World Edition 7 - 12	K - 12	200+ countries information on lifestyle, demographics, health, economy; currency converter, time converter; create-your-own data tables; natural resources
Education Full Text (Access from Discus A-Z list under EBSCOhost link)	12+	Over 350 full text journals includes articles on STEM education, adult education, continuing education, literacy standards, multicultural/ethnic education, teaching methods
Explora Elementary, Middle, and High School	K-5 6-8 9-12	Search interface that searches within EBSCO databases for each appropriate grade level. Retrieve articles, videos, images on search topics. Over 1K results for Subject search: Stem Education in Explora High School
Health Source – Consumer Edition	9 – 12+	80 full-text consumer health magazines, 100 health-related pamphlets and 130 health reference books; medical dictionary.
Kids Infobits	K-5	Full-text from 120 children's magazines, reference sources and newspapers; includes images and maps, recipes, activities, and **science experiments**; **over 600 videos on science topics**
Learn360	PK-12	Multimedia videos, interactives, lessons, audiofiles, **science experiments**, and more.
LearningExpress Library	4 – 12+	Practice tests, math and science skill builders, and computer skills tutorials; math and science ebooks
Middle Search Plus	6 - 8	140 middle school magazines with full-text articles that are assigned lexiles.
Novelist K-8 Plus	K – 8	Locate fiction and nonfiction titles for collection development and readers' advisory; read alikes; See Nonfiction tab, "Exciting Science"; robotics; Related content" *STEAMing Along with Books*
Opposing Viewpoints in Context	6-12+	Contemporary social issues with content to promote critical thinking; Periodicals, podcasts, reviewed Web links, images, statistical tables, charts and graphs; content correlated to science curriculum standards and lexile reading level; Engineering, STEM education, mathematics, technology
Points of View	6 – 12+	Full-text articles and essays providing multiple sides of current issues and controversial topics; an overview, a point, a counterpoint, and a Critical Thinking Guide Content includes magazines, newspapers, radio and TV news transcripts, primary documents, reference books, and video
Science Reference Center	6- 12+	Full-text science encyclopedias, reference books, periodicals, essays, and biographies of scientists; **science experiments**; Multimedia includes animations, images, and video
Tumblebooks Library	K- 6	National Geographic videos, read-aloud storybooks, chapter books, graphic novels; puzzles, games, book report organizer, math materials; **70 titles on science; 20 titles on technology; cyberspace; mechanimals; robots; 50 titles related to math**;

This is a selected list. For a complete list of available databases, see the A-Z list at **scdiscus.org**.