



## K-5 ONLINE RESOURCES

### GENERAL RESOURCES

- [Casel](#) - Social-emotional learning resources
- [#GoOpenVA](#) - Virginia's home for Open Educational Resources (OER)
- [NASET](#) - National Education of Special Education Teachers resources for teachers
- [PBL Works](#) - Framework for project-based learning and samples
- [Understanding by Design](#) - Universal design for learning guidelines and samples
- [WIDA](#) - Teaching multilingual learners online
- [TTAC](#) - This series of webshops showcases the products created by real co-teachers of Virginia.
- [ESL at Home](#) - Examples of choice boards in a variety of languages

### ENGLISH

- VDOE Progression Charts identify the grade level at which specific skills are formally introduced in the 2017 English SOL for
  - [Communication](#) (Word)
  - [Reading](#) (Word)
  - [Writing](#) (Word)
  - [Grammar](#) (Word)
  - [Research](#) (Word)
- [VDOE Comprehensive Literacy Instructional Plans](#)- Instructional plans that support the 2017 English Standards of Learning
- [VDOE Comprehensive Literacy webinar series](#)-webinars for educators that support the 2017 English Standards of Learning
- [Virtual Virginia](#)-VDOE's online learning platform
- [National Writing Project](#)-National Writing Project's online resources for writing instruction
- [Unite For Literacy](#)-free online text
- [PALS](#)-Lessons and activities for early literacy and phonological awareness
- [IES- Tips for Supporting Reading at Home](#)-Tips to support families with early readers at home
- [National Center for Improving Literacy](#)-information for families and at home reading activities
- [PBS Learning Media](#) - also includes [PreK-12 resources for emergency closings](#)
- [NCTE Online Learning](#)- National Council of Teachers of English's list of online learning resources
- [CommonLit.org](#)
- [Kiddle](#) - student-friendly search engine for research

### MATHEMATICS

- [VDOE Learning in Place Mathematics Resources](#) – resources to assist teachers, parents, and students with ongoing learning; include Mathematics Standards of Learning Tracking Logs (K-Algebra II) to support teachers to record standards addressed prior to the COVID-19 closure and how to plan learning recovery.
  - VDOE [Rich Mathematical Tasks](#) - provides math tasks for each grade band
  - [Desmos Classroom Activities](#) - activities to facilitate student exploration and practice. The teacher dashboard collects and organizes student responses. Teachers can now provide [written feedback](#). There are premade activities grouped as [distance friendly collections](#), and there is a [starter screen collection](#) to help check in with students. Additional [Desmos COVID-19](#) resources are available.
  - [National Library of Virtual Manipulatives](#) - gives students access to a plethora of math manipulatives for “virtual” hands-on learning
  - [PhET](#) - virtual science and math simulations for students K-12
  - [MAPS](#)- Tasks and Lessons
  - [Desmos](#)- Online Activities
  - [NCTM- Free Resources](#) for Teaching Online - a collection of resources and webinars provided by the National Council of Teachers of Mathematics; includes [NCTM](#)
- [Virginia Learns Anywhere](#)



## K-5 ONLINE RESOURCES

- [Illuminations](#) which is a collection of lessons and student interactives.
- [You-Cubed](#) - Includes a collection of activities and tasks based on Stanford University Dr. Jo Boaler's work on mathematical mindsets
- [Robert Kaplinsky](#) - Includes a variety of [lesson ideas](#), [problem-based resources](#), and links to [Open Middle](#) math problems

## HISTORY AND SOCIAL SCIENCE

- VDOE [History and Social Science Standards of Learning Skills' Progression Chart](#) (Word) – Identifies the grade/course at which specific skills are formally introduced in the 2015 History and Social Science SOL.
- VDOE SOL Institutes – Presentations & lessons available for [2017](#) and [2016](#)
- [Library of Virginia](#) – educational material on Virginia's history, culture and people including lesson plans in the [Virginia Memory Online Classroom](#)
- [National Geographic](#) - videos, resources, and explorations for students to inspire science and cultural educational content
- [Library of Congress](#)- This links to a project funded by the Library of Congress to support the use of primary sources in the classroom
- [Virginia Museum of Fine Arts](#) – student and teacher resources including online art and lesson plans
- [Virginia Museum of Natural History](#) – information on professional development opportunities for teachers and resources for students
- [Virginia Association of Museums](#) – a resource list of museums in Virginia that includes many online resources for teachers and students
- [Virginia Historical Society](#) – outreach programs, SOL tours, hands-on history options and more
- [Virginia Foundation for the Humanities](#) – connects people and ideas to explore the human experience and inspire cultural engagement
- [Jamestown Settlement and Yorktown Victory Center](#) – curriculum materials, educational audio, video, podcasts and programs for educators
- [Encyclopedia Virginia](#) – in partnership with the Library of Virginia Encyclopedia Virginia includes online reference work about the Commonwealth
- [Colonial Williamsburg Foundation](#) – tools for educators related to the restored capital of Britain's largest, wealthiest and most populous 18th-century outpost
- [National History Education Clearinghouse - teachinghistory.org](#) – designed to help K–12 history teachers access resources and materials to improve U.S. history education in the classroom
- [Documents of American History](#) (PDF) - This publication contains the text of documents required in legislation to be included for Virginia educators

## SCIENCE

- VDOE [Practices for Science Investigation Progression](#) (PDF) – The Practices for Science Investigation Progression chart identifies the grade level at which specific science skills/practices are formally introduced and how they progress throughout the 2010 Science Standards of Learning.
- VDOE [K-3 Science Progression](#) (PDF) – Shows the progression of standards from kindergarten through third grade and how they relate to reporting categories on the Grade 3 Science SOL Test Blueprint.
- [VDOE Sample Science lessons](#)-Virginia Department of Education online science lessons
- [National Geographic](#) - videos, resources, and explorations for students to inspire science and cultural educational content
- [National Science Digital Library](#)- lessons, primary source documents, student materials organized by science content and/or grade band
- [Smithsonian Science Education Center](#) - interdisciplinary approach to bring science, history, art, and culture in inquiry-based science classrooms
- [NASA Climate Kids: Home](#) - allows students to use virtual weather instruments and notice the impact of weather and climate on their communities

## RESOURCE

### HEALTH AND PHYSICAL EDUCATION

- [SHAPE America](#) - Classroom-ready & teacher-friendly resources you can download and print to help your students on the path to health and physical literacy
- [OPEN Physical Education](#) - Free online resource with games and calendars for families to use at home and resources to help teachers and parents partner together to create meaningful movement
- [ChooseMyPlate](#) - Explains the importance of Energy Balance through learning activities based on nutrition and fitness concepts. Resources include toolkits, print materials, videos, quizzes, infographics, etc.

### MUSIC

- [Chrome Music Lab](#) - Students can explore music concepts through a variety of music games and experiments
- [Responding to and talking about music](#) This resource helps frame questions to encourage critical thinking when listening to music
- [PBS: Music](#) Encourage students to perform, analyze, and appreciate Music with resources that explore music from various time periods and cultures.

### VISUAL ART

- [The Virginia Museum of Fine Arts](#) Encourage students to describe and discuss artwork while they explore the collections.
- [ARTS Edge: The Kennedy Center](#) Explore a variety of topics, cultures, and content areas related to the arts.
- [National Gallery of Art](#) This site includes more than 29,000 open-access digital images of the collections of the National Gallery of Art.

### LIBRARY

- [Reading IQ](#) This site is a comprehensive digital library of simple-language, early chapter, and Read to Me books.
- [Kids Discover](#) This site contains age-appropriate articles (informational text) about topics that cover a variety of content areas.

### WORLD LANGUAGE

- [VDOE World Language Instruction Site](#)
- [Rockalingua](#) - Spanish lessons and games for kids

### THEATRE

- [Broadway Educators](#) The site offers free materials to schools, teachers, and anyone interested in learning more about a specific Broadway show, professional theatre, or theatre as a communicative art form.
- [Media and Interactives from the Kennedy Center](#) Explore videos and interactive media for dance, music, theatre, and visual arts.

### DANCE

- [Video: Exploring Dance: Movement, Space, and Poetry](#) Students in grades K-2 can explore poetry through dance.
- [The Elements of Dance](#) This website allows families to explore the elements of dance.