Introduction

This document was prepared by the subject area specialists from the Bureau of Standards and Instructional Support (BSIS) at the Florida Department of Education to provide a list of some of the resources available online to consider during disruptions to daily brick and mortar instruction. The resources provided are intended to assist teachers with maintaining continuity of standards-based instruction. This document includes resources for social studies, arts, health education, physical education, gifted, media, and STEM/STEAM.

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For high-quality resources developed specifically for the Florida’s academic standards in mathematics, science, English language arts, and social studies, visit CPALMS at www.CPALMS.org.
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General Resources

PBS Digital Studios, It’s OK to be Smart with Joe Hanson Ph.D.
Description: The first link goes to a video explaining the math behind what makes pandemics like COVID-19 spread like wildfire, and how significant measures in the early days—before most of us know anyone who’s sick—could make all the difference. The second link goes to a page with other videos related to Covid-19.
https://youtu.be/XvVDOvXv6Z4
https://www.youtube.com/results?search_query=it%27s+ok+to+be+smart+%2Bcovid+19

Explore Education
Description: Their mission is to champion the selfless acts of others, create a portal into the soul of humanity and inspire lifelong learning. Explore.org is the world's leading philanthropic live nature cam network and documentary film channel. Explore's growing library consists of more than 250 original films and 30,000 photographs from around the world. We showcase our work at film festivals, on over 100 public broadcast and cable channels, and on numerous online destinations including explore.org, Snag Films, Hulu and TakePart.
https://explore.org/education
Arts: Dance

**Florida Dance Education Organization (FDEO)**

The Florida Dance Education Organization, wants to share our Etude’s for free to teachers and students. They have been used for the past two years for the Florida Dance Performance Assessments event, (At FDPA & Beyond). We hope these Etude’s can provide material ready to share online with college, high school or middle school students preparing to go online for instruction in Florida.

[https://www.fdeo.org/](https://www.fdeo.org/)

**Etude Links 2019**

There are 2 separate links, one for Ballet, one for Modern:
Ballet – One movie, 5 Etudes: Front view followed by back view and suggested adaptations for each Etude.

[https://vimeo.com/293799501](https://vimeo.com/293799501)
password is case sensitive: Fdeo2019

Modern – One movie, 5 Etudes: Front view followed by back view and suggested adaptations for each Etude

[https://vimeo.com/293809852](https://vimeo.com/293809852)
password is case sensitive: Fdeo2019

**Hip Hop Public Health**

Description: Music has been a lifeline to positive transformation. Through hip-hop music, promote health equity among youth using an innovative array of media tools designed to improve health literacy.

[https://hhph.org/repository/#filter=h-y-p-e-breakin-it-down](https://hhph.org/repository/#filter=h-y-p-e-breakin-it-down)

**Online Physical Education Network**

Description: OPEN resources are aligned to national physical education standards, but could easily be used for a dance class.

**Dance K-2**

[https://openphysed.org/curriculum_resources/physical_education_modules/dance-k2](https://openphysed.org/curriculum_resources/physical_education_modules/dance-k2)
Dance 3-5
https://openphysed.org/curriculum_resources/dance-35

Dance 6-8
https://openphysed.org/curriculum_resources/ms-dance

Online Physical Education Network Dance 3-5 (With SEL)
Description: Two-week at home dance unit that was developed by OPEN, also integrates Social Emotional Learning (SEL).

National Dance Education Organization
Description: The NDEO has created an ongoing blog with available resources for virtual learning and dance.
https://www.ndeo.org/content.aspx?page_id=2507&club_id=893257&item_id=567

Arts: Music

Florida Music Educators Association (FMEA)
FMEA is available to answer or research any questions you might have during this period of uncertainty. 1-800-301-3632, info@FMEA.org or FMEA.org The following are resources for music educators dealing with school closures due to COVID-19.
https://fmea.org/programs/coronavirus-resources/

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https://fmea.org/programs/coronavirus-resources/
National Association for Music Education

Description: Many are researching to find ways to continue to provide music learning opportunities for students without actually being in school. Whether you’re hoping to move to online/virtual teaching, provide students with online resources, or put together no-tech resources for families without internet or technology access, here are some resources to help.
https://nafme.org/music-teacher-resources-school-closures/

Social Networking

Description: During this time of online learning and teaching, considering utilizing social networking for resources.
Music Educators Creating Online Learning Facebook Group

Teaching and Learning Music Online Webinar

Description: The power of music is amplified through the events we share – be it as performers, learners or audience members. Teaching and learning music can thrive through the remarkable tools, resources and people that are engaging in music online.
https://www.youtube.com/watch?v=CSUaMelyCvc&feature=youtu.be

Arts: Theatre

Center for Puppetry Arts @ Home

Description: We’re expanding our Digital Learning platform to include live streaming, and it’s all for FREE. Now you can enjoy curriculum-based workshops and Digital Learning interactive puppet shows from the safety and comfort of home. Just jump onto to Facebook. We’ll be streaming live today!
https://puppet.org/center-for-puppetry-arts-home/?fbclid=IwAR2CxtdlK3lUk-nRgaYhYPNPlvSbwwxIPTEm2qtaE3LvAmePJuqdlvzDE

Curated Resources for Creating Online Learning

Description: Educational Theatre Association is curating resources to support educators as they build online learning experiences for students.
Teaching Drama Online

Description: As schools and theatre programs deal with closures, we thought it would be useful to begin compiling a list of online resources to help keep your drama programs running. This list has been curated by the Beat by Beat Team and posted here with permission from the creators.

http://www.bbbpress.com/teaching-drama-online/

Arts: Visual Arts

Art21

Description: Art21 serves educators and their students by providing free materials and programs devoted to the exploration of contemporary art and artists, including a widely distributed series of Educators’ and Screening Guides.

https://art21.org/

Art at Home

Description: A Google Doc consisting of art education activities, digital art, museum links, and games.

https://docs.google.com/document/d/1EVMOiHHKugF4RQ071DzimkSKn1AiBNOJ-i6x1mBts/preview?fbclid=IwAR01ptbTH9d5_EEbsKnwrat8TGyqOnob8kqg0MNwe-QzQ7KStFJyarB2amw

Color Our Collections

Description: Download free coloring books from 113 Museums

http://library.nyam.org/colorourcollections/
Florida Department of Education

Davis Digital Platform
Description: Teachers will have open access to the library of 25,000 fine art images as well as full use of student books and teacher editions of multiple titles. Free Access through June 30th, 2020.
https://info.davisart.com/covid-19-assistance-free-resources-for-impacted-schools?fbclid=IwAR2kegjz7g3kkMVRzOmkM1ikwnp3hW0reoS5Hi2c4NaOBWpH_4DjMWcZzcQPUL

Florida Art Education Association (FAEA)
Video resources, Standards based Visual Arts Resources, Art Making and Enrichment Ideas, Videos, Distance Learning Social Media Groups, Online Tools, Virtual Museums and Collections.
https://faea.org/publications/distance-learning/

Imagineering in a Box
Description: ‘Imagineering in a Box’ is a free online program that brings together the diverse talents of Disney Imagineers around the world for a one-of-a-kind learning experience and is part of Disney’s commitment to helping today’s youth create the future they imagine.

Lake Valley Education
Description: A free, community driven, online library of lesson plans designed for remote learning during school closures.
http://remotelessonplans.com/?utm_source=hs_email&utm_medium=email&utm_content=84755909&_hsenc=p2ANqtz-9rhf36biPDpZF4-OhWIV28S96IFzuprCV2f8BZqusuX06JxmVlgvtVkmnOzcBkf4-jRTk6o9nELBFgjmPoMClwFsKOMA&_hsmi=84755909

Paris Musées
Description: Paris Musées has placed 100,000 images online for unrestricted public use.
Solomon R. Guggenheim Museum
Description: The Guggenheim Museum in New York has just made more than 200 books about modern art available online. Not only can you read them online, but you can download them in PDF or ePub formats—for free—at the Internet Archive.
https://archive.org/details/guggenheimmuseum

Arts: All Arts

Florida Department of Education Fine Arts
http://www.fldoe.org/academics/standards/subject-areas/fine-arts.stml

State Education Agency Directors of Arts Education (SEADAE)
Description: The arts education community is working to build a repository of instructional resources for the field. The links within this page continue to be updated. If you have a resource which may be helpful to enriching classroom arts instruction virtually, please contribute to the online site with your ideas.
https://www.seadae.org/arts-instructional-resources

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Health Education Resources

In his March 19, 2020 message regarding K-12 school closures due to COVID-19 (https://youtu.be/ZUJm6f0qnuQ), Education Commissioner Richard Corcoran shares 3 focus areas “for everyone”: 1) health and safety; 2) continued education; and 3) compassion.  
https://youtu.be/ZUJm6f0qnuQ

CASEL CARES
Description: The Collaborative for Academic, Social, and Emotional Learning (CASEL) is a trusted source for knowledge about high-quality, evidence-based social and emotional learning (SEL). CASEL CARES is a new initiative that connects the SEL community with experts to address how SEL can be most helpful in response to today’s circumstances. Connect with CASEL to share high-quality research and best practices. Webinars and other resources are available for parents, caregivers, and educators.  
https://casel.org/covid-resources/

EVERFI
Description: EVERFI extends continued support to students and teachers to advance learning outside of the traditional school building. Webinars will continue, particularly those that support best practices with implementing remote learning. Please access the Digital Lessons for Remote Learning Landing Page for Teachers via  
http://get.everfi.com/teacher-remote-learning/
The Landing Page for Parents can be accessed here  
http://get.everfi.com/parent-remote-learning/

Goodheart-Willcox (G-W) Health Activities
Description: To further support remote learning and working environments, Goodheart-Willcox (G-W) Publishers released free remote learning resources. Webinars are also planned to assist educators with better understanding these resources. Interactive activities include graphic organizers, e-flashcards, vocabulary games, and other activities. Visit https://www.g-w.com/6-12-education and select “G-W Learning Companion Website”. Select “Health” > Select a textbook > Select “full site”. Lessons pertaining to communicable diseases and preventing diseases are found in 11.1 and 11.5 in the middle school textbook. Infectious diseases and immunity to infection lessons are found in 12.1 – 12.3. GW Educational Consultants are available to assist educators understand the available resources.

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Professional Development to Strengthen Health Education

Description: In partnership with researchers and practitioners, Florida’s Title IV, Part A, supported the development of a Professional Development (PD) Course to Strengthen K-12 Health Education Instruction in Florida. Instruction focuses on the 16 health education competencies and numerous skills identified in the Florida Teacher Certification Exam (FTCE). The course is particularly timely as it will prepare educators to provide instruction in the recently approved State Board of Education rules related to mental and emotional health and substance use and abuse. Per March 19, 2020 FDOE Q&A Guidance, effective through July 31, 2020, FTCE exams are free of charge (see question #28 of the Q&A, linked here: http://www.fldoe.org/em-response/) For registration information, please visit https://www.florida-title-iv-part-a.com/cst_health.php. For additional information contact Dr. Tamara Gibson-Alonso, Health Education Coordinator in the Office of Healthy Schools, at Tamara.Gibson-Alonso@fldoe.org

Sanford Harmony

Description: Designed by the National University System, Sanford resources support social learning and inspirational instruction. Sanford Inspire offers professional development modules and webinars for educators, access the resources here: https://sanfordinspire.org/. Focusing on students in grades Pre-K-6, Sanford Harmony is a learning program created to foster communication, connection, and community to support the development of youth into compassionate and caring adults. The new Online Learning Portal provides one-click navigation to activities, stories, games, and songs. Harmony at Home is an SEL program designed just for families. https://www.sanfordharmony.org/

Science News for Students

Description: Published by the Society for Science & the Public, engage students in current events related to science and health at age-appropriate levels. https://www.sciencenewsforstudents.org/

SHAPE America

Description: The Society of Health and Physical Education Educators released a collection of virtual resources from SHAPE America and other K-12 health and physical educators to assist educators with providing high-quality, standards-based lessons despite the circumstances of COVID-19. https://www.shapeamerica.org/covid19-resources.aspx
The Facts: Health + Physical Activity

Description: Health and physical activity are inextricably intertwined. The Centers for Disease Control and Prevention (CDC) recommends that children and adolescents ages 6 to 17 years of age participate in 60 minutes or more of moderate-to-vigorous activity daily. Visit this link for CDC Healthy Schools resources: cdc.gov/healthyschools/physicalactivity/facts.htm. In the 2019 Florida Youth Risk Behavior Survey (YRBS) of High School Students, 23% of students reported participating in moderate-to-vigorous exercise for 60+ minutes every day. Further, March is National Nutrition Month. Good nutrition and physical activity are essential for a strong immune system and academic focus. Plan for healthy choices. Additional nutritional information can be found here: www.eatright.org/
Physical Education Resources

OPEN Active Home Module
Description: This module includes both individual activities for families to stay active as well, as well 2-week physical education units for grade K-12 for in-home physical education.
https://openphysed.org/activeschools/activehome

CATCH Health at Home
Description: This is a google classroom to provide CATCH materials as at-home resources for parents, and will include distance learning resources for educators beginning the week of 3/22.
https://www.catch.org/pages/health-at-home

SPARKhome Content
Description: This is 3-weeks of K-12 SPARKhome content for free. In order to access, users must create a free account at SPARKecademy.org, click on “Course Catalog” in the menu then “SPARKhome (Free)”. Once users enroll in the free course, they will be able to access all of the content.
https://www.sparkecademy.org/

Dynamic PE ASAP
Description: This is three weeks of free in-home lesson plans for grades K-8 developed by Dr. Robert Pangrazi.
https://www.gophersport.com/blog/dynamic-pe-asap-in-home-lesson-plans/

Calm Resources
Description: This is a free resource page with meditations, stories, music, talks and more that are all handpicked to support mental health and wellness.
https://www.calm.com/blog/take-a-deep-breath?utm_source=lifecycle&utm_medium=email&utm_campaign=difficult_times_nonsubs_031720

Hip Hop Public Health
Description: This is a no-cost dance resource. It includes a variety of search/sort options on the left hand side of the page depending on what teachers need.
https://hhph.org/repository/#filter=h-y-p-e-breakin-it-down

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Darebee
Description: Fitness at your own terms, no-equipment visual workouts, fitness programs and challenges, training and running tips, recipes and nutrition advice.
https://darebee.com/

GoNoodle
Description: Engages 14 million kids every month with movement and mindfulness videos created by child development experts. Available for free at school, and at home.
https://family.gonoodle.com/

Believe in You Video Series
Description: Video series with two seasons (nine lessons in each season) of lesson plans and activity guides.
https://www.varsitybrands.com/believe-in-you
Social Studies: American History

Digital History
Description: Resources to help teachers enhance history teaching and research through primary sources, an online textbook, extensive reference resources, and interactive materials.
http://www.digitalhistory.uh.edu/

History Matters
Description: This resource contains primary documents in text, image, and audio about the experiences of ordinary Americans throughout U.S. history. All of the documents have been screened by professional historians and are accompanied by annotations that address their larger historical significance and context.
www.historymatters.gmu.edu

The National Archives: DOCS Teach
Description: The National Archives has selected thousands of primary source documents to bring the past to life as classroom teaching tools from the billions preserved at the National Archives. Use the search field to find written documents, images, maps, charts, graphs, audio and video in our ever-expanding collection that spans the course of American history.
http://docsteach.org/

Online Civic Learning Opportunities from the National Constitution Center
Description: Engage in remote dialogues about civil and constitutional topics, participate in webinars, or assign videos to students to view. The Online Civic Learning Opportunities tries to offer learning experiences which are as authentic and participatory as possible.
Special Note:“ During this time of uncertainty, our team of educators and scholars at the National Constitution Center is here to support remote learning with free lectures civil dialogue sessions on the Constitution that students across America can access online.”
*Resource also applies to the Civics and Government Strand

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Florida Department of Education

Reading Like a Historian
Description: The Reading Like a Historian curriculum engages students in historical inquiry. Each lesson revolves around a central historical question and features a set of primary documents designed for groups of students with a range of reading skills.
https://sheg.stanford.edu/history-lessons

Social Studies: Civics and Government

American Rhetoric Speech Bank
Description: Dedicated to rhetoric and public communication in the United States, this resource offers an archive of speeches, movie speeches, and audio figures of speech.
http://www.americanrhetoric.com/speechbank.htm

Annenberg Classroom: Civics
Description: This website connects comprehensive curriculum on the Constitution and its amendments to daily civics news and student discussion.
www.annenbergclassroom.org

Civic Online Reasoning – Stanford History Education Group
Description: If young people are not prepared to critically evaluate the information that bombards them online, they are apt to be duped by false claims and misleading arguments. To help teachers tackle teaching these critical skills, Stanford History Education Group has developed assessments of civic online reasoning—the ability to judge the credibility of the information that floods young people’s smartphones, tablets, and computer screens.
https://sheg.stanford.edu/civic-online-reasoning

Countable
Description: Countable is politics made easy. Countable empowers voters with the knowledge and tools to directly influence policy and keep track of your Congressional Representatives. See upcoming bills, vote on them and see if your Senators or Congressperson listen.
https://www.countable.us/

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Florida Department of Education - Civic Literacy Resources List

Description: In addition to providing clarifying remarks about civics literacy in Florida, this page shares a handful of key resources that foster civic literacy.
http://www.fldoe.org/civicliteracy/

Florida Joint Center for Citizenship (FJCC)

Description: This resource provides middle grades civics resources, Civics in a Snap Lessons, Civics Connection, and Professional Development
http://floridacitizen.org/

The Living Room Candidate

Description: Presidential campaign commercials since 1952 including video clips, information about the candidates, and election results.
www.livingroomcandidate.org/

Social Studies: Economics and Financial Literacy

Division of Consumer Services at the Florida Department of Financial Services

Description: Finance Your Future is comprised of eight main modules on the topics of: Budgeting & Saving, Credit Cards, Banking, Credit Report & Score, Debt, Frauds & Scams, Insurance & Benefits and Life Events. Each module includes lessons, activities, games and a comprehensive knowledge check at the end.
http://financeyourfuture.myfloridacfo.com/

FDIC Money Smart for Young Adults

Description: Help youth ages 12–20 learn the basics of handling their money and finances, including how to create positive relationships with financial institutions.
https://www.fdic.gov/consumers/consumer/moneysmart/young.html
Florida Department of Education

**Federal Financial Literacy and Education Commission**
Description: This website is a product of the congressionally chartered Federal Financial Literacy and Education Commission, which is made up of more than 20 Federal entities that are coordinating and collaborating to strengthen financial capability and increase access to financial services for all Americans.
http://www.mymoney.gov/Pages/default.aspx

**Federal Reserve Education**
Description: Instructional information about the Federal Reserve, economics and financial education.
https://www.federalreserveeducation.org/

**FoolProof Foundation**
Description: Provides up to 22 hours of free, online, video-driven, self-grading financial literacy instruction. And young people do all the teaching. You can use one "module" or you can use the entire curriculum.
http://www.foolproofflorida.org

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**Social Studies: Geography**

**CIA World FactBook**
Description: The World Factbook, produced for US policymakers and coordinated throughout the US Intelligence Community, marshals facts on every country, dependency, and geographic entity in the world. Historic Maps in K-12 Classrooms.

**Florida Geography Bee Website**
Description: The Florida State Geography Bee is an annual event that takes place in schools all around the state.
http://www.flgeographybee.com/

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Historic Maps
Description: This resource for K-12 teachers and students developed by the Hermon Dunlap Smith Center for the History of Cartography at the Newberry Library is designed to bring historically significant map documents into your classroom.
http://publications.newberry.org/k12maps/

Library of Congress: Geography Resources
Description: Links to geography resources from the Library of Congress. National Council for Geographic Education, K-12 Teacher Resources
https://www.loc.gov/rr/geogmap/

National Council for Geographic Education, K-12 Teacher Resources
Description: The National Council for Geographic Education (NCGE) works to enhance the status and quality of geography teaching and learning.
http://www.ncge.org/resources

U.S. Census Bureau: American Factfinder
Description: Find popular facts (population, income, etc.) and frequently requested data about your community.
http://factfinder.census.gov/faces/nav/jsf/pages/index.xhtml

Social Studies: Humanities

Digital Public Library of America
Description: The Digital Public Library of America brings together the riches of America’s libraries, archives, and museums, and makes them freely available to the world.
http://dp.la/

FDOE: Fine Arts
Description: Learn about the Florida Department of Education’s Fine Arts education program.
Google Arts and Culture: Historical Events
Description: Explore stories and collections from around the world.
https://www.google.com/culturalinstitute/beta/category/event

Marchand Archive Resources for Teachers
Description: The Marchand Archive contains two useful collections: the Image Collection and the Documentary Source Problems Collection. The Marchand Image Collection comprises more than 8600 images, many of which have been digitized from slides.
http://historyproject.ucdavis.edu/marchand/

National Humanities Center
Description: A private, nonprofit organization, and the only independent institute dedicated exclusively to advanced study in all areas of the humanities.
http://nationalhumanitiescenter.org/

Smithsonian Institute: Educators
Description: The Smithsonian brings content experts and educators together to strengthen American education and enhance our nation's ability to compete globally.
http://www.si.edu/Educators

Social Studies: Psychology

American Psychological Society - Teaching Resources
Description: Information for students and teachers of psychology. Maintained by John H. Krantz, Ph.D., Hanover College.
http://psych.hanover.edu/APS/teaching.html

Teaching Resources from APA and TOPSS
Through APA's Education Directorate, the APA Teachers of Psychology in Secondary Schools (TOPSS)
Florida Department of Education

aims to meet the curricular, professional development and networking needs of high school psychology teachers.

Social Studies: Sociology

American Sociological Association (ASA)
Description: ASA offers resources and programs to support pedagogical and career success for faculty and teachers at all stages of their careers. ASA supports teachers with resources and a community of teachers to engage and excite students.
http://www.asanet.org/teaching/HighSchool.cfm

Social Studies: World History

Avalon Project: Documents in Law, History, and Diplomacy
Description: The Avalon Project offers digital primary source documents relevant to the fields of Law, History, Economics, Politics, Diplomacy and Government.
https://avalon.law.yale.edu/

Bridging World History
Description: Bridging World History is organized into 26 thematic units along a chronological thread. Materials include videos, an audio glossary, and more.
http://www.learner.org/courses/worldhistory/

EyeWitness to History
Description: This website provides history through the eyes of those who lived it, from the Ancient World to the present.
http://www.eyewitnessstohistory.com/

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Florida Holocaust Museum
Description: Features collection of works of art, photographs and historical artifacts. Includes virtual tours, hours, calendar of events, current and future exhibits.
https://www.flholocaustmuseum.org/

Holocaust Memorial Miami Beach
Description: The Holocaust Memorial Miami Beach has a wealth of educational material available for teachers and students. A DVD lending library has been created with over 120 titles. Information for teachers/students contains basic information about booking a field trip as well as links to a 146 page study guide which includes 6 lesson plans that can be used for a pre or post visit to the Memorial.
http://holocaustmemorialmiamibeach.org/

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Description: The Reading Like a Historian curriculum engages students in historical inquiry. Each lesson revolves around a central historical question and features a set of primary documents designed for groups of students with a range of reading skills.
https://sheg.stanford.edu/history-lessons

The National Archives, UK
Description: The official archive of the UK government with thousands of free resources. A fee is required to view some documents.
http://www.nationalarchives.gov.uk/education/

World Digital Library
Description: The World Digital Library (WDL) is a project of the U.S. Library of Congress, carried out with the support of the United Nations Educational, Cultural and Scientific Organization (UNESCO), and in cooperation with libraries, archives, museums, educational institutions, and international organizations from around the world.
https://www.wdl.org/en/about/
The DBQ Project
Free access to DBQ Online is being offered Through July 1, 2020. The offer supports distance learning efforts during this unprecedented time. Since DBQ Online connects at the school/district level (not individual teachers or students) we need to connect with the IT head and Curriculum lead at your district or school! To do so, complete the form to get started.
https://www.dbqproject.com/free-access-contact/

Social Studies: Professional Organizations Per Strand

US History and World History
Florida Council for History Education
http://www.flche.net/
National Council for History Education
http://www.nche.net/

Economics and Financial Literacy
Florida Council on Economic Education:
http://www.fcee.org/

Humanities
Florida Humanities Council
https://floridahumanities.org/

All Strands
Florida Department of Education
http://www.fldoe.org/academics/standards/subject-areas/social-studies/
Florida Council for The Social Studies
http://fcss.org
National Council for The Social Studies
http://www.socialstudies.org/
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Gifted Education Resources

CERN
Description: CERN is a large accelerator laboratory that studies particle physics, computing and accelerators. Their mission works to uncover what the universe is made of and how it works. Key achievements at CERN are discovery of the Higgs Boson, Antimatter, The Large Hadron Collider and it was the birth place of the World Wide Web. Educator and student resources and videos are available.
6-12: https://home.cern/

Citizenscience
Description: This Explore Projects catalog offers over 400 citizen science projects actively looking for citizen science volunteers.
6-12: https://www.citizenscience.gov/catalog/#

Code.org
Description: Code.org provides free coursework for students to learn computer science skills. From Intro courses to Scratch to Hour of Code, the resources available for learning coding are plentiful. Unplugged lessons are available as well.
K-12: https://studio.code.org/courses
K-12: https://code.org/

Cornell Lab
Description: Cornell Lab hosts a 24-hour live web cam of a red-tailed hawks’ nest on the campus of the university. Use the live cam videos to observe the avian life cycle from nest building to egg laying to fledging of the nestlings. Eleven other live web cams are available on this website as well.
K-12: https://www.allaboutbirds.org/cams/red-tailed-hawks/

Imagineering in a Box
Disney and Khan Academy; Imagineering in a Box; everyone
Khan Academy has partnered with Disney Imagineers to create “Imagineering in a Box”. The series includes 32 videos that share how Imagineers create theme parks using creativity to build an experiential story. Students design and build their own theme park using art, design and engineering skills.

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Exploratorium
Description: The Learning Toolbox provided by Exploratorium is a collection of timely topics, including the science of viruses. Other activities on the site include music making, tinkering, kitchen science and sensory science.
K-12: https://www.exploratorium.edu/learn

Henry Ford
Description: The Innovate Curriculum site allows access to curriculum designed to help students learn the habits of innovators, problem solvers and entrepreneurs.
3-12: https://www.thehenryford.org/education/innovate/

Mensa
Description: New Mensa challenges are offered for download provide “mental aerobics” for brains. The challenges provide the opportunity to look at problems from different aspects in order to solve.
K-12: https://www.mensa.org/new-mensa-challenges

NASA
Description: NASA offers K-12 lessons and interactive activities for educators, informal education, higher education and STEM engagement.
K-12: https://www.nasa.gov/education/resources

National Association of Geoscience Teachers
Description: Formal and informal teaching resources including activities related to earth sciences are offered from NAGT. Teaching with maps, teaching earth systems, using online volcanic monitoring and a rock and mineral exchange are some of the resources available for teachers.
9-12: https://nagt.org/nagt/teaching_resources/index.html

National Association for Gifted Children

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NAGC has provided information for educators, parents, caregivers and mental health providers who are supporting gifted children during this time. The link provides resources from state gifted associations, publishers, museums and gifted leaders across the United States.

K-12: https://www.nagc.org/resources-educators-parents-during-covid-19?utm_source=Insider&utm_campaign=09b50597c8-EMAIL_CAMPAIGN_2018_06_20_02_27_COPY_01&utm_medium=email&utm_term=0_4e9c70195e-09b50597c8-140311981&mc_cid=09b50597c8&mc_eid=343b72b01f

**National Geographic**

Description: National Geographic offers over 50 different brain game videos and activities designed to stretch your mental powers.


**National Geographic Kids**

Description: National Geographic Kids Brainboosters offers science experiments, homework help resources, virus facts and quizzes for students in grade K-5.

K-5: https://kids.nationalgeographic.com/

**New York Times**

Description: What’s Going on in this Graph?; The Learning Network at the New York Times uses graphs, maps and charts to teach analytical skills using real-world observations. Students notice, wonder and write a catchy headline that captures the graph’s main idea. Students may post their observations into the comment box.

2-12: https://www.nytimes.com/column/whats-going-on-in-this-graph

**NSTA**

Description: National Science Teachers Association has opened Interactive eBooks for students during school closures. The books contain animations, simulations and videos of science concepts. Review questions and special notes help with comprehension of the main ideas.

K-12: https://www.nsta.org/ebooks/

**PBS Learning Florida**
Description: Great Performances: “Hamilton’s America” is a behind-the-scenes look at the Broadway musical Hamilton written by Lin-Manuel Miranda. Grade level videos, educational lessons and activities related to the film are shared in these links.

4-12: https://florida.pbslearningmedia.org/collection/hamiltons-america/
4-12: https://florida.pbslearningmedia.org/collection/hamiltons-america/#.XnObeWhKi70

SEL4US

Description: SEL4US has a collection of resources to support mental health during the uncertain times of COVID-19 virus. How to Talk to Children about the Coronavirus from Harvard Medical School and Coronavirus, Online Learning, Social Isolation, and Cyberbullying: How to Support Our Students from Cyberbullying Research Center are two of the many resources offered.

Adults: https://sel4us.org/covid-19-sel-mental-health/
Library Media Resources

Junior Library Guild Digital Online Reading Platform
Description: Free unlimited access from any device to the Junior Library Guild Online Reading Platform
https://www.juniorlibraryguild.com/at-home

Capstone Interactive Ebooks
Click Log In
Choose Log In with Capstone Interactive
Username: continue
Password: reading
https://www.mycapstonelibrary.com/login/

ABDO Online Books
Description: Free online access to ebooks for elementary students
http://abdodigital.com/?tk=414F33301B8E136DEE3F0A93BF1795E1

Audible
Description: Stream the entire collection of titles for children for free
https://stories.audible.com/start-listen

Children’s authors reading their books aloud:
https://www.weareteachers.com/virtual-author-activities/?utm_content=1584565321&utm_medium=social&utm_source=facebook&fbclid=IwAR21fEXHq94wQWwudbDVxy1tiPArvR9tEWhF0ueKhfFXpFzbsn43xFrP-Y

Epic books
Description: Teachers need to create an account and then can add students.
https://www.getepic.com/

Storyline Online
Description: Children’s books read by celebrated actors.
https://www.storylineonline.net/

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Reading practice for emerging readers

Open Culture
Description: 6,000 digitized children’s books free to read online
http://www.openculture.com/2016/08/enter-an-archive-of-6000-historical-childrens-books-all-digitized-and-free-to-read-online.html?fbclid=IwAR0UDx7DiaJBe6NDZpAE7xHY6R17oIDDLfcwvdZRlMdwEWj7YvCEa7Wm4

Story Time From Space
Description: Watch actual astronauts read stories from space
https://storytimefromspace.com/

Lunch Doodles with Mo Willems!
Description: Learners worldwide can draw, doodle and explore new ways of writing by visiting Mo’s studio virtually once a day for the next few weeks.
https://www.kennedy-center.org/education/mo-willems/?fbclid=IwAR0ugPegvnZ7COB1qbfJ9vK4s-30mcLkw3I9wOVyZLDlqg2qWVTa4R7hnkw

Teaching Joyce
Description: Teaching the works of James Joyce. Lessons aligned with B.E.S.T. standards
https://www.teachingjoyce.com/
## Virtual Field Trips and Museum Tours

**Great Wall of China, Houston zoo, Mars, and more!**

[https://freedomhomeschooling.com/virtual-field-trips/](https://freedomhomeschooling.com/virtual-field-trips/)

**Visit all 31 U.S. National Parks via Google Earth**

[https://earth.google.com/web/@34.73253052,-94.20820692,312.21005962a,12000027.2229205d,35y,0h,0t,0r/data=Ci0SKxlgMzVhNjc1Y
mQ0NjVjMTFlOTFlYjg1NTMyNWRjMDk2MzQjB3ZveV90b2M](https://earth.google.com/web/@34.73253052,-94.20820692,312.21005962a,12000027.2229205d,35y,0h,0t,0r/data=Ci0SKxlgMzVhNjc1Y
mQ0NjVjMTFlOTFlYjg1NTMyNWRjMDk2MzQjB3ZveV90b2M)

**Louvre**


**Vatican 360 degree tours**

[http://www.museivaticani.va/content/museivaticani/en/collezioni/musei/tour-virtuali-
elenco.1.html](http://www.museivaticani.va/content/museivaticani/en/collezioni/musei/tour-virtuali-
elenco.1.html)
Florida Department of Education

Learn at Home Resources

Gale
Gale, a Cengage company, is a digital content provider of curriculum aligned resources to support online learning from pre-K through 12th grade. All resources are unlimited access. Use the password “open” if prompted.
https://www.gale.com/covid19support

Scholastic
https://www.scholastic.com/teachers/teaching-tools/articles/resources/scholastic-learn-at-home--free-resources-for-school-closures.html#

BrainPop
https://www.brainpop.com/

National Inventors Hall of Fame - Hands-on Learning Beyond the Classroom
The National Inventors Hall of Fame® has developed an at-home resource center to provide innovative education opportunities, no matter where learning takes place. Whether these resources are shared with your students for at-home learning or used for in-classroom activities, we are sure children will enjoy the hands-on fun and inspiration from world-changing inventors. Check out our resource center for STEM activities, inventor printables and a virtual field trip to help extend learning beyond the classroom.
https://www.invent.org/at-home-learning-resources

Out Teach
The Out Teach coaching team has created new student-centered, self-guided outdoor learning activities to support teachers and parents and get students active and engaged in hands-on learning. They’re free and open to the public. We’ll be adding new activities every day.

Teacher Created Materials
TCM is proud to offer these FREE teacher-approved resources for at-home learning! These materials are designed to help students solidify the concepts they learn in school,

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and equip them for learning at home. These resources will empower parents and engage students.

https://www.teachercreatedmaterials.com/teachers/free-home-learning/

**Muzology**
To support students' learning during this time, Muzology is offering their algebra-readiness platform FREE to teachers and students for the remainder of the academic year. Muzology uses multi-modality music videos to teach fundamental pre-algebra skills and procedures. The platform includes an iterative series of math music videos (grouped by topic), in-platform formative assessments presented as gamified Math Challenges, teacher and student dashboards, and teacher assignment features. Muzology can be used on any device, including tablets and mobile phones, connected to the internet.

https://muzology.com/

**KneoWorld**
KneoWorld, a developer and publisher of educational technology, is offering an eLearning at-home package. This free 60-day Math and ELA PreK - Grade 6 eLearning at home package gives instant online access to a broad range of lessons, games, and tasks that are mapped to Florida State Standards. The programs are easy to implement and fun for students of ALL abilities. You don't need to be tech-savvy, we take care of everything. Because of the "in the game" nature of the KneoWorld's platform, instructors can see the student's thinking and adjust any possible misconceptions "in the moment of the learning."

https://www.kneoworld.com/alas%20elearning.html
STEM & STEAM Resources

Smithsonian Learning Lab
The Smithsonian Learning Lab is a major rethinking of how the digital resources from across the Smithsonian’s 19 museums, 9 major research centers, the National Zoo, and more, can be used together, for learning.
https://learninglab.si.edu/

STEM in 30: National Air and Space Museum
Our fast-paced webcast series engages middle school students in Science, Technology, Engineering, and Math (STEM) topics in just 30 minutes. We bring in Museum curators, astronauts, and experts in the field to connect classrooms with real-world, relevant content. Shows combine animations, interviews with experts, and unique locations to show students that science extends beyond the walls of their school.
https://airandspace.si.edu/connect/stem-30

Exploratorium: The Museum of Science, Art and Human Perception
The Exploratorium is a public learning laboratory exploring the world through science, art, and human perception. We create tools and experiences that help you to become an active explorer: hundreds of explore-for-yourself exhibits, a website with over 35,000 pages of content, film screenings, evening art and science events for adults, plus much more. We also create professional development programs for educators, and are at the forefront of changing the way science is taught. We share our exhibits and expertise with museums worldwide.
https://www.exploratorium.edu/

NASA STEM Engagement
A compendium of NASA educator resources specific to K12 education.
https://www.nasa.gov/stem/foreducators/k-12/index.html

EGFI
Engineering, Go For It!, by the American Society for Engineering Education (ASEE), is committed to promoting and enhancing efforts to improve K-12 STEM and engineering education.
http://www.egfi-k12.org/index_noflash.php

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NSTA STEM Resources

Science, technology, engineering, and mathematics (STEM) is more than a concept diagram with connections among four (or more) subject areas. It’s a unique way of knowing and exploring the world. The STEM approach involves the essence of the practices of science and engineering. Tools like communication skills are interwoven in STEM explorations. That seamlessness is what challenges educators around the world. Below is a sample compilation of NSTA offerings, resources, and tools—selected based on their multidisciplinary nature and ability to integrate across two or more subject matters—to help teachers provide quality STEM instruction.

[https://www.nsta.org/stem/](https://www.nsta.org/stem/)

TeachEngineering: STEM curricula for K-12

TeachEngineering is a digital library comprised of engineering curricula for K-12 educators to make applied science and math come alive through engineering design.

[https://www.teachengineering.org/about](https://www.teachengineering.org/about)

Math Science Music

MathScienceMusic.org is a free toolkit for teachers, bringing together the best resources in math, science and music. Designed for students, kindergarten through college.

[https://mathsciencemusic.org/](https://mathsciencemusic.org/)

STEAM Resources: Early Childhood Training and Technical Assistance System

The National Center on Early Childhood Development, Teaching, and Learning in partnership with the Office of Head Start is going “full STEAM ahead” with children and families. Science, Technology, Engineering, Arts, and Math (STEAM) learning happens naturally everyday as children explore, play, and try new things. Teachers and family child care providers support this learning when they provide feedback to deepen children’s understanding of STEAM concepts and ideas and help children develop more complex language skills. Below you can access online resources as well as download additional PDF resources to support STEAM thinking and learning. Review the list below of the included resources to share with education staff and families.

[https://childcareta.acf.hhs.gov/resource/steam-resources](https://childcareta.acf.hhs.gov/resource/steam-resources)
Science Resources

National Inventors Hall of Fame (NIHF)
On the website’s landing page you will find [NIHF’s Resource Hub](#) where there are many STEM and invention education lesson plans and activities to encourage continued learning while navigating the “what’s next” of our current educational climate. Additionally, there is more at the following links:

- [STEM Activity blogs](#) – We have 60+ STEM activities on our blog.
- [STEM activity guide PDF](#) – Feel free to include this in your own resources.

We are also sharing content across our social pages:
- [Camp Invention Facebook](#)
- [NIHF Facebook](#)
- [Camp Invention Twitter](#)
- [NIHF Twitter](#)
- [Pinterest](#)

Science News for Students
Founded in 2003, Science News for Students is an award-winning online publication dedicated to providing age-appropriate, topical science news to learners, parents and educators. Science News for Students is a publication of the Science News Media Group, which is a program of the Society for Science & the Public (SSP), a nonprofit 501(c)(3) membership organization dedicated to public engagement in scientific research and education. Science News for Students — which is free to use — helps to fulfill the Society’s mission by connecting the latest in scientific research to learning in and out of the classroom.

[https://www.sciencenewsforstudents.org/](https://www.sciencenewsforstudents.org/)

Smithsonian: Science How - National Museum for Natural History
These free, interactive, live video webcasts take questions from your students while introducing them to science concepts and practices through the lens of Smithsonian research and experts. The shows air live twice each day, and provide opportunities for your students to interact via live polls and Q&A with the scientist.

[https://naturalhistory.si.edu/education/distance-learning](https://naturalhistory.si.edu/education/distance-learning)

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Kinetic City
Collection of science experiments, games, activities, challenges and more!
http://www.kineticcity.com/

Mathematics Resources

National Council of Teachers of Mathematics
National Council of Teachers of Mathematics (NCTM) is the world’s largest mathematics education organization. Please visit https://www.nctm.org/freeresources/ for free resources even if you are not a member of NCTM.

Texas Instrument
In support of students & educators who are transitioning to virtual classrooms Texas Instrument (TI) is offering the following resources below.
Software – TI software can be used to demo functionality, have students interact with activities, create videos for your students, etc.
- **TI-84 Smartview Software** – 90 Day Trial for teachers and students
- **TI-Nspire Premium Teacher Software** – 90 Day Trial
- **TI-Nspire Student Software** – 30 Day Trial
- Resources – Below are a few links for both teachers and students
  - **TI in Focus | AP Calculus Resources**
  - **Test Success with the TI-84 Plus CE**
  - **Test Success with the TI-Nspire CX Family**
  - **Made with Math Videos**
Enrichment Resources – Teachers can access Math and Science activities which are designed to build conceptual understanding of concepts.
- **Math Nspired**
- **Science Nspired**
Try something new during your “spring break” with **10 Minutes of Code**.
Happy Numbers

Happy Numbers is here to work with all stakeholders to ensure the uninterrupted education of PK-5 students. They'll help to deliver quality math instruction, monitor progress, and math growth - all remotely. To ease the challenge of transitioning to online instruction, Happy Numbers is offering free access for the rest of the school year - no strings attached. Please visit [https://happynumbers.com/](https://happynumbers.com/) for more information. Additionally, they partner with Clever to allow schools and districts roster all the classrooms at once at a click of the button.

Learn Zillion

Learn Zillion provides online instructional videos that teachers and parents can access for free. In addition, stakeholders can find digital versions of Illustrative Mathematics. Please visit [https://learnzillion.com/resources/73932](https://learnzillion.com/resources/73932) for more information.

IXL

IXL is a personalized learning resource for students grades Kindergarten to twelve, including courses up to Calculus. They are offering 30-day free trials for teachers that do not have an account already and free resources for parents. Please visit [https://www.ixl.com/](https://www.ixl.com/) for more information.

Zearn

Zearn provides K-5 curriculum, including 400 hours of digital lessons with on-screen teachers and supportive remediation. These resources have been made available through no-cost individual accounts. Kids, teachers, parents, and caregivers can access all our top-rated content 24/7, including paper-based materials that can be used without a device. Please visit [https://about.zearn.org/distance-learning?utm_campaign=distance-learning&utm_medium=native&utm_source=homepage](https://about.zearn.org/distance-learning?utm_campaign=distance-learning&utm_medium=native&utm_source=homepage) for more information.

Carnegie Learning

Carnegie Learning is offering some very unique teaching and learning resources, free of charge, to districts that can help 6-12 mathematics teachers prepare for distance learning. Part of their offering can be found at the [Long+Live+Math at Home](https://longlivemathhome.com/) page that includes:

- Access to MATHia individualized learning software,
- Access to our on-demand Learning Library with pre-recorded student-facing instructional videos,
- PDF versions of math activities, and skills practice for grades 6-12,
Florida Department of Education

and a Community of Support

Coach on Call Services - A math coach is available from 8am - 6pm EDT (coachoncall@carnegielearning.com)

Daily, Live Webinars - Our team will be hosting Getting Started webinars daily to answer teachers’ questions and help them make the most of these free resources.