

Educational Resources for the 2020-2021 School Year

Brought to you by the



Table of Contents

School Help	3
Study Help.....	3
Tutoring and Instruction	4
Reference Help	5
Educational Videos	6
Games, Activities, and Quizzes	7
For Littles	10
Educational Videos	10
Games	11
Coding	12
Educational Videos	12
Learning Programs	12
Games and Sandboxes	13
COVID-19 Resources	14
Local Resources.....	14
Informational Resources.....	14
Educational Activities for Children	15
Stay at Home.....	17
Games	17
Activities.....	18

As a new and uncertain school year begins, the Weber County Library is here to support our community's parents, teachers, and students. As a result, we have gathered a list of free resources that are intended to help students and their caregivers have a more successful school year. Included here are Web sites to help with studying and provide instruction, educational games and videos, and resources to help everyone navigate COVID-19. For additional resources, please visit our Web site at <https://www.weberpl.lib.ut.us/>.

School Help

Whether you're homeschooling for the first time or helping your child through an unusual year, the following resources can help by offering tutoring, academic games and quizzes, educational video channels, research resources, and more.

Study Help

- CRAM: All Ages
<https://www.cram.com/>
CRAM has over one million flash card sets on hundreds of topics and subjects. If there isn't a subject available, then users can create their own.
- Online Study Resources: All Ages
<https://www.onlineschools.org/study-guides/>
This is a collection of online resources for studying help covering different types of study tools and various subjects.
- Spark Notes: Ages 10 & Up
<https://www.sparknotes.com/>
This Web site aims to act as a study aid for various English texts. Their most famous study guide is *No Fear Shakespeare*, which takes Shakespeare's works and translates them into modern English. There are also guides for other subjects, such as math, biology, American government, sociology and poetry.
- StudyBlue: High School & College
<https://www.studyblue.com/>
StudyBlue is a crowdsourced library full of study materials made and shared by users for a variety of subjects.

Tutoring and Instruction

- CK-12: Grades K-12
<https://www.ck12.org/student/>
This Web site provides free instruction on a variety of subjects as well as practice problems. Each subject can be separated by grade.
- The Economist Learn at Home: Grades 6-12
<https://economistfoundation.org/resources/>
The Economist encourages critical thinking by providing lesson plans that cover current issues and topics, such as racism, rights and the internet, and extreme weather.
- IXL Math and English: Grades PreK-8
<https://www.ixl.com/>
Preschoolers through 8th graders can get practice in core curriculum skills in math and language arts.
- Khan Academy: All Ages
<https://www.khanacademy.org/>
Khan Academy offers practice exercises, instructional videos, and a personalized learning dashboard that empower learners to study at their own pace in and outside of the classroom. In addition, they have created a schedule for parents to help keep their children on track with their schoolwork.
- Learn to Be: Grades K-12
<https://www.learntobe.org/>
This Web site offers free one-on-one tutoring for grades K-12 in all subjects, including math, science, reading and English.
- MIT OpenCourseWare: High School & Adults
<https://ocw.mit.edu/>
Every course that the Massachusetts Institute of Technology (MIT) has done is published on this Web site with every syllabus, assignment, and presentation free to download.
- Randall's ESL Lab: Ages 5 & Up/ESL
<https://www.esl-lab.com/>
Randall's ESL Lab focuses on everyday English comprehension skills at 3 levels based on content, voices, vocabulary and natural speed. A combination of adult, teenage, and children's voices are included.

Reference Help

- Berteau and Co.: Grades K-12
<https://www.berteauandco.com/pages/free-teacher-resources-for-learning-at-home>
This Web site compiles lesson plans for all grade levels that were submitted by users. It primarily focuses on kindergarten through 6th grade.
- English Grammar Guide: Ages 10 & Up/ESL
<https://www.ef.com/wwen/english-resources/english-grammar/>
This Web site is a guide to English grammar rules with examples and counter-examples written in plain English.
- Fact Monster: All Ages
<https://www.factmonster.com/>
Fact Monster combines essential reference materials, fun facts and features, plus homework help for kids. From the solar system to the world economy to educational games, Fact Monster has the information kids are seeking.
- Geogebra: All Ages
<https://www.geogebra.org/?lang=en>
This has free online tools for graphing, geometry and 3D math (among others). In addition, there are classroom resources organized by grade.
- HippoCampus: Ages 10 & Up
<https://www.hippocampus.org/>
HippoCampus is a core academic Web site that delivers rich multimedia content, including videos, animations, and simulations on general education subjects for middle-school and high-school teachers and students.
- Open Developmental Math Textbook: High School & Adults
http://content.nroc.org/DevelopmentalMath.HTML5/Common/toc/toc_en.html
This is a textbook about math basics that works with the reader on problems and shows how to solve them step-by-step. The textbook starts with place value and ends with trigonometry.
- Open English Foundations Handbook: High School & Adults/ESL
<http://content.nroc.org/DevelopmentalEnglish/files/toc/toc.html>
This is a textbook that goes over the fundamentals of college essay writing, covering organization and analyzing of texts.

- UEN Learn @ Home: All Ages
<https://www.uen.org/learnathome/>
 The Utah Education Network connects all Utah school districts, schools, and higher education institutions to a common network and shared educational resources. There are resources for parents, children, teachers and adults to further their educational goals.
- Utah’s Online Library (Utah Education Network): All Ages
<https://onlinelibrary.uen.org/>
 Resources for students, educators and parents curated by the Utah Education Network, which includes a collection of reference, Utah-related and general resources.
- Weber School District Vetted Resources: Grades K-12
<https://docs.google.com/document/d/1iIGt2cxuGsiFAUSY3AYqw3G870q5AqrGmof5J1chhjo/edit>
 This Google Doc has a list of supplemental resources that may fill a gap in knowledge. There are videos, flash cards, digital content, offline activities and live lesson tools.
- Wonderopolis: All Ages
<http://wonderopolis.org/>
 This Web site uses a “Wonder of the Day” to pique the curiosity of students by answering user-submitted questions. In each article, vocabulary words are highlighted and sources and activities are at the bottom.

Educational Videos

- Crash Course: Middle School & Up
<https://thecrashcourse.com/>
Crash Course covers core subjects in fun, fast-paced videos. Each video covers a topic and gives a brief introduction to important ideas, people, and why the topic matters.
- Free School: All Ages
<https://www.youtube.com/c/FreeSchool>
 This *YouTube* channel has videos on a variety of core subjects, such as history, math, music and animals.

- Mathantics: Grades 1-8
<https://www.mathantics.com/>
Mathantics aims to make math more exciting and fun with its educational videos.
- McGraw-Hill PreK-12: Grades K-12
<https://www.youtube.com/c/McGrawHillEducationSchool/featured>
The publisher's *YouTube* channel has videos on a variety of subjects meant to reach children in grades K-12. In addition, there are remote learning resources for parents and teachers.
- MinuteEarth: Ages 10 & Up
https://www.youtube.com/channel/UCeiYXex_fwgYDonaTcSIk6w
This channel teaches earth science in short, hand-drawn videos. Each video usually covers an odd question, such as, "Why do people hate hyenas?"
- MinutePhysics: Ages 12 & Up
<https://www.youtube.com/user/minutephysics/about>
This channel teaches physics and other science subjects in short, hand-drawn videos. Each subject usually answers an odd question, such as whether it's better to walk or run in the rain.
- NatGeo Kids: Ages 5 & Up
<http://natgeokids.com>
<https://www.youtube.com/natgeokidsplaylists/featured>
The *National Geographic Kids YouTube* channel aims to encourage children to learn more about the world they live in with weird and wacky facts and subjects.
- SciShow: High School
<https://www.youtube.com/c/SciShow/>
SciShow is all about the weird parts of science and asks questions that typically aren't answered in a classroom setting.

Games, Activities, and Quizzes

- Bill Nye Home Demos: All Ages
<https://billnye.com/home-demos/>
Popular TV host Bill Nye posts science experiments that can be done at home.

- English Club Vocab Quizzes: Ages 10 & Up/ESL
<https://www.englishclub.com/esl-quizzes/vocabulary/>
 Test your vocabulary with these fun online quizzes. Choose from hundreds of interactive quizzes listed by topic, word class, or graded level. All correct answers are provided and scores are displayed after finishing each quiz.
- Exploratorium: All ages
<https://www.exploratorium.edu/>
 This museum created an online learning toolbox to teach various science topics. Some activities of note are the science snacks, tinkering studio, and digital teaching boxes.
- Kahoot!: Ages 10 & Up
<https://kahoot.com/>
 Create, host, and play a custom trivia or quiz game. Share your unique quiz ID to invite others to join.
- The Lawrence Hall of Science/Science at Home: Grades K-8
<https://www.lawrencehallofscience.org/lawrence-at-home>
 The Lawrence Hall of Science created videos, activities and a list of educational apps to promote learning at home. Its Web site also has a list of resources that have scientific information about COVID-19.
- The Leo at Home: All Ages
<https://theleonardo.org/leo-at-home>
The Leonardo Web site holds classroom activities and original works that fuse all the STEAM subjects together.
- Natural History Museum of Utah: Middle School
<https://nhmu.utah.edu/research-quest>
Research Quest was created by the NHMU to get experts' information into the hands of students. It is aimed toward middle schoolers and uses videos, 3D views, models and interactive maps to teach.
- National Science Teaching Association Daily Do: All ages
<https://www.nsta.org/daily-do>
 Daily Dos are tasks that teachers and parents can do at home to encourage using science and engineering practices. There are lesson plans for elementary, middle and high school grades.

- PBS Kids: Ages 5-12
<https://pbskids.org/>
PBS Kids uses curriculum-based entertainment to reinforce concepts children learn in school. There are videos, games and activities available to sign up for.
- PhET Interactive Simulations: Grades 7-12
<https://phet.colorado.edu/en/simulations>
This Web site hosts interactive simulations of various topics in science and math. In addition, there are also teacher-submitted activities that go with each simulation.
- STEM Action Center: Grades PreK-12
<https://stem.utah.gov/students/stem-in-the-home/>
Every first Monday, the *STEM Action Center* posts fresh activities, videos, challenges and games related to STEM subjects. There are also COVID-19 specific resources.

For Littles

Below are some resources for little ones who may not be able to regularly attend their daycare or preschool or who just want to learn and experiment! Included are resources for aiding early literacy development, educational games, appropriate video channels and more.

Educational Videos

- Alphablocks
<https://www.youtube.com/c/officialalphablocks/>
This *YouTube* channel helps promote phonic skills by using short stories, games and characters named after letters.
- Dave and Ava
<https://www.youtube.com/c/DaveAndAva/videos>
This *YouTube* channel has 30-minute videos about nursery rhymes, numbers and colors and also has content in Spanish.
- Homer
<https://www.youtube.com/c/HOMERLearning>
This channel uses speakaboos, subtitled fairy tale videos, so that children can read and listen to the story at the same time. Occasionally, videos are narrated by well-known actors.
- Mother Goose Club
<https://www.youtube.com/user/MotherGooseClub>
This *YouTube* channel focuses on teaching preschoolers nursery rhymes as well as other subjects through their videos that use live action and animated parts.
- Netflix Jr.
<https://www.youtube.com/c/NetflixJr>
This *YouTube* channel created by *Netflix* has short videos of their most popular *Netflix* shows doing singalongs.
- Sesame Street
<https://www.youtube.com/sesame>
Sesame Street hosts clips from the television show as well as exclusive clips on its *YouTube* channel.
- Super Simple
<https://www.youtube.com/c/supersimplesongs>
This channel uses popular songs to encourage children to get up and move along with the music.

- Weber County Library Silly Storytime
<https://vimeo.com/showcase/wclsilly>
Watch storytime with the best silly books read by your local librarian.
- Weber County Library Storytime for Littles
<https://vimeo.com/showcase/wclstorytimelittles>
Watch storytime from your favorite local librarians meant especially for toddlers and babies.
- Word World
<https://www.youtube.com/c/wordworld>
From PBS, *Word World* helps build vocabularies using colorful characters, rhymes and catchy music.

Games

- ABC Mouse
<https://abcmouse.com/>
Available for free in the Weber County Library or at home through a paid subscription, *ABC Mouse* provides interactive games and activities meant to help young children have a strong start at school.
- Knee Bouncers
<https://kneebouncers.com/>
Let your little one play interactive, colorful, and simple games to learn the alphabet, shapes, numbers, etc.
- Sesame Street Games
<https://www.sesamestreet.org/games>
Learn basic concepts, such as letters and colors, alongside your favorite *Sesame Street* characters.

Coding

Coding is an essential skill for young people today, and it's one they can learn from home! Below are some resources to help kids of all ages understand coding concepts and learn and practice many different coding languages.

Educational Videos

- Geek Gurl Diaries: Ages 10 & Up
<https://www.youtube.com/c/GeekGurlDiaries>
This *YouTube* channel is dedicated to teaching girls about computers, coding and anything related to electronics and computers.
- Mike Likes Science: Ages 10 & Up
<https://www.youtube.com/c/comaniddy>
This channel uses rap to get teens and tweens interested in coding and various STEM subjects.

Learning Programs

- Codemoji: All Ages
<https://codemoji.com/courses/>
Codemoji features everything needed to learn and teach programming in a fun, engaging way, including guided instructional videos, lesson plans, teacher guides, answer keys and standards.
- Code to Success Utah: High School
<https://www.ctsutah.com/>
Code to Success is a free six-week coding boot camp open to all Utah high school students.
- Dreams for Schools Coding at Home: Grades K-12
<https://www.dreamsforschools.org/codingathome/>
Dreams for Schools provides resources for elementary, middle and high school students to learn how to code on a weekly basis. It uses Scratch, mobile app development and Web site development to teach coding concepts.
- Free Code Camp: All Ages
<https://www.freecodecamp.org/>
Free Code Camp wants to help people learn to code for free by providing videos, articles, and interactive coding lessons.

- Girls Who Code: Grades 3-12
<https://girlswhocode.com/programs/code-at-home>
Girls Who Code releases weekly activities led by a woman in the technology field teaching coding languages and concepts.
- Hackety Hack: All Ages
<http://www.hacketyhack.net/>
Hackety Hack is a cross-platform, open source application that teaches how to program software. It teaches Ruby programming to beginners so they can eventually learn to create computer and cross-platform Web apps.
- HTML Dog: All Ages
<https://htmldog.com/>
HTML Dog is a simple coding Web site that teaches JavaScript, HTML and CSS. Kids can learn to code through its tutorials, techniques, reference material and examples.

Games and Sandboxes

- Code Wars: High School & Adults
<https://www.codewars.com/>
Challenge yourself with coding exercises, created by the community to strengthen different skills. Master your current coding language of choice, or expand your understanding of a new one.
- Gameblox: All Ages
<https://gameblox.org/>
Gameblox is a blocks-based programming environment for making games online for the Web and mobile devices. It's being developed at the MIT STEP Lab and is used in school clubs and by edX courses.
- Glitch: All Ages
<https://glitch.com/>
For people and teams of all skill levels, *Glitch* makes it easy and fun to express yourself with code, whether you're a professional developer or just starting out. You can create on your own or as part of a team.

COVID-19 Resources

Below is a list of resources to help parents and children navigate information about the coronavirus and to help prepare everyone for a safe return to school and the readjustment to a new normal.

Local Resources

- Coronavirus Utah
<https://coronavirus.utah.gov/>
This is the official Web site of the Utah government about COVID-19. It has news and information related to the ongoing pandemic.
- Davis School District COVID
<https://www.davis.k12.ut.us/departments/risk-management/covid19>
This is the Davis School District's plan on how it will reopen schools safely.
- Ogden School District: Keeping Ogden Healthy
<https://www.ogdensd.org/community/keeping-ogden-healthy>
This is the Ogden School District's plan on how it will reopen schools safely.
- Utah State Board of Education COVID
<https://schools.utah.gov/coronavirus>
The Utah State Board of Education has information about COVID-19 and resources for families and educators who have been impacted by COVID-19.
- Weber School District COVID
<https://wsd.net/covid-19/news/safe-weber/itemlist/tag/COVID19>
This is the Weber School District's plan on how it will reopen schools safely.

Informational Resources

- COVID-19 and IEPs and 504s
<https://together.stjude.org/en-us/for-families/school/educational-rights-coronavirus.html>
St. Jude Children's Hospital put together some resources for parents whose children have an Individualized Education Program (IEP) or 504 plan and how to navigate those with the advent of COVID-19.

- Child Mind Institute—Supporting Families During COVID-19
<https://childmind.org/coping-during-covid-19-resources-for-parents/>
 The Child Mind Institute put together articles to help parents address coronavirus concerns, including talking to teens about safe behavior amid re-openings and talking to children about disappointment.
- Educating Through Crisis NEA
<https://educatingthroughcrisis.org/>
 This Web site created by the National Education Association provides teachers with resources on how to teach and what’s available to them during the pandemic.
- First Student Tips
<http://firststudentinc.com/start-safe-parents/>
First Student is a company that helps students get to and from school. It has compiled tips for parents on how to keep their children safe on buses.
- Intermountain Healthcare COVID
<https://intermountainhealthcare.org/covid19-coronavirus/>
 Intermountain Healthcare has a list of information about COVID-19, such as symptoms, how to access care, and how it affects children.
- U.S. Department of Education
<https://www.ed.gov/coronavirus>
 The U.S. Department of Education provides resources for schools and school personnel on what they need to know about COVID-19.

Educational Activities for Children

- Children Psychological Health Center COVID workbook
<http://www.childrenspsychologicalhealthcenter.org/resources/guided-activity-workbooks/>
 This workbook helps children work through the anxieties created by COVID-19. While the current emphasis is on COVID-19, there are other workbooks for children who have survived traumatic experiences.
- COVID-19 Activity Book
<https://together.stjude.org/content/dam/together/en-us/other/covid-19/coronavirus-activity-book-together-english.pdf>
 This activity book is aimed toward older children and explains how COVID-19 looks and spreads.

- COVID-19 Coloring Book
<https://together.stjude.org/content/dam/together/en-us/other/covid-19/coronavirus-coloring-book-together.pdf>
St. Jude's coloring book explains COVID-19 in plain language to children and explains why people have changed their behavior in public.
- COVID-19 Free Informational eBooks for Kids
<https://nycdoe.libguides.com/COVID-19ebooks/free>
The New York City School Library System has gathered together free eBooks for kids in multiple languages that discuss COVID-19, social distancing and anxiety.
- Exploratorium COVID Toolbox
<https://www.exploratorium.edu/learn>
Exploratorium's Learning Toolbox is all about viruses and COVID-19. There are videos and activities that help explain how viruses work.

Stay at Home

Social distancing by staying at home can become monotonous. Below we've provided links for some fun things to do at home to keep the mind stimulated and children engaged.

Games

- ABCYA: Grades PreK-6
<https://www.abcya.com/>
IXL Learning created these educational games to reinforce and teach Common Core concepts.
- Chess Kid: All Ages
<https://www.chesskid.com/>
Kids can learn and play chess with other kids around the world.
- FRIV: Grades 2 & up
<https://www.friv.com/>
A collection of Flash games that can be played in a Web browser.
- IO Games: Grades 3 & up
<https://iogames.space/>
IO Games allow users to play real-time multiplayer games without downloading anything or creating an account.
- Miniclip: Grades 5 & up
<https://www.miniclip.com/games/en/>
A collection of games can be played in a browser or mobile device.
- Only Typing Games: All Ages
<http://www.onlytypinggames.com/>
This Web site has free games that help users practice their typing skills.
- Twitch Tetris: Grades 1 & up
<https://www.rossipotti.de/ausgabe28/tetris/index.html>
This allows users to play Tetris in any browser through the JavaScript language. Curious players can also download the source code and report bugs.

Activities

- American Natural History Museum YouTube: All Ages
<https://www.youtube.com/c/AmericanMuseumofNaturalHistory>
The ANHM's *YouTube* channel hosts watch parties and live chats about various topics. There are also videos showcasing the museum's extensive collection.
- ASU Virtual Field Trips: Grades 9 & up
<https://vft.asu.edu/>
This Web site hosts virtual field trips in regions that are important to earth science. Each field trip was created from real expeditions with scientists who were conducting research.
- Cosmic Kids Yoga: All Ages
<https://www.youtube.com/c/CosmicKidsYoga>
This channel encourages kids to do yoga and uses fairy tales and other stories to get them moving and using their imagination.
- Draw with Drew & Rosie: Ages 8 & up
<https://time.com/5820518/draw-with-us/>
These videos from *Time* encourage kids to draw along with the hosts and special guest stars like Raina Telgemeier.
- Educational Insights: Grades PreK-4
<https://www.educationalinsights.com/at-home-activities-for-kids>
This Web site has printable activities for children in preschool through 4th grade. There are also at-home schedule ideas for kids.
- OLOGY by the American Natural History Museum: Grades K-5
<https://www.amnh.org/explore/ology>
OLOGY is the science Web site for kids created by the ANHM. The museum's scientists answer kids' questions, and there are various activities related to each "ology."
- WCL Novel Teens: Ages 12 & up
<https://vimeo.com/showcase/wclteenbooktalks>
Hosted by the Weber County Library, teens can find their next favorite book by watching these booktalks from some of their favorite local librarians.