

Science

Site Name	Brief Description	Link	Grade Levels	Additional Notes/ Helpful Hints
Scistarter	"Citizen science is collaborative research done by everyday people, anytime, anywhere, to help answer questions scientists can't answer alone." Alternative to traditional learning methods - families can participate at home by finding a project to work on in their local area or remotely.	https://scistarter.org/	Grades 1-12	
PhET Physics & Math Simulator site	This fantastic web site is for students to play with and create simulations to reinforce their learning about friction, density, velocity, angles and lots of other things. Check it out!	https://phet.colorado.edu/	Grades 3-12	
Science Bob	A variety of science experiments that can be done at home.	https://sciencebob.com/category/experiments/	Grades 4-8	
Science News for Kids	Library of articles for students to read about science related current events. There is the option to search by topic. There are also featured articles and videos on the homepage.	https://www.sciencenewsforstudents.org/	Grades 8-12	
Zooniverse	"The Zooniverse enables everyone to take part in real cutting edge research in many fields across the sciences, humanities, and more. The Zooniverse creates opportunities for you to unlock answers and contribute to real discoveries."	https://www.zooniverse.org/	Grades 9-12	
Steve Spangler Science	Check out the experiment library to do experiments about air, chemistry, magnetism, and so much more! There's even videos to get you started.	https://www.stevespanglerscience.com/lab/experiments/	Grades K-12	
BrainPop & BrainPop Jr.	Variety of videos available for parents to introduce science concepts to students including Earth's systems/space, genetics, weather, scientific inquiry, etc.	https://www.brainpop.com/science/	Grades K-12	
Science Buddies	Parents can browse by subject or grade level to find science projects. There are over 1,200 science projects in 32 different areas of science from astronomy to zoology to choose from.	https://www.sciencebuddies.org/	Grades K-12	
Smithsonian Kids - Science Education Center	The game center offers fun activities for students to explore topics like nutrition, disasters, aquatics, etc.	https://ssec.si.edu/game-center	Grades K-12	
Sheppard Software	Hundreds of free, online, learning games for kids. But anyone interested in online learning can use our site - we have so many subjects - (geography, math, animals, science, language arts, creative activities, health) and lots of levels for all abilities - loads of games and activities for learners of any age.	http://www.sheppardsoftware.com/	Grades K-12+	Even has a section for Adults to learn things
National Geographic Kids	"Find amazing facts about animals, science, history and geography, along with fun competitions, games and more." Enjoy science experiments, animal watch cameras, and other related activities!	https://kids.nationalgeographic.com/	Grades K-5	Free to use
Science Fun for Everyone	Science experiments you can do at home, jokes, and even trivia - all in the kidzone!	http://www.sciencefun.org/kidszone/experiments/	Grades PK-8	
Tesla Science Center	Tesla Science Center is offering free podcasts on Nikola Tesla, science, etc. There is also a "STEAM Camp" virtual program every Saturday through April 11th	https://teslasciencecenter.org/	Podcasts: All Grades, STEAM Camp: 1 - 6	Podcasts are free; STEAM camp is limited to 100 students per class, must RSVP - free for people with i-kids paid membership, \$10 for Tesla Science Center members, \$20/device for non-members

Math

Site Name	Brief Description	Link	Grade Levels	Additional Notes/ Helpful Hints
Manga High	Manga High offers free and subscription packages to classroom and homeschool teachers. The free website allows students to play basic games to reinforce math skills and compete against the computer or others. The subscription version gives teachers the opportunity to track students' progress and determine if there are any gaps in their basic skills.	https://www.mangahigh.com/en-us/	7-16 yo	British site, so some spelling may differ
Prodigy	Who knew math could be so fun? Children get personalized math content based on their strengths and weaknesses. Children have to solve math challenges to progress in the game.	www.prodigygame.com/	Grades 1 - 8	
MathPlayground	"Play with Numbers and Give Your Brain a Workout" is the motto of Math Playground. Assign students games to play related to logic, number skills practice, geometry, algebra, probability, fractions and more. There are also math word problems and video instructions to help students remember how to solve them. Does your school use Singapore Math? Math Playground has a section dedicated to it	www.mathplayground.com	Grades 1-6	
Rubik's Cube	Every wondered what the algorithm is for solving a Rubik's Cube? Here you will find solution guides for different Rubik's Cube puzzles.	https://www.rubiks.com/en-us/solve-it	Grades 3-12+	
Multiplication.com	From the Multiplication Grand Prix to the Knight and the Princess, students can practice their basic math skills in a fun and engaging way on this math site for kids. There are additional resources available on the website for parents and teachers who want to help reinforce and teach skills.	https://www.multiplication.com/	Grades 3-8	
Desmos Graphing Calculator	This site is great for parents following up on their child's middle school or high school math lessons. Do the students really understand how equations and functions are related to their visual model (graphs)?	http://desmos.com/calculator	Grades 5-12	Appropriate for ordered pairs, line graphs (linear functions), curved functions, etc.
LearnZillion	Find lessons that complement what you are studying in the classroom based on the Common Core	www.learnzillion.com	Grades 6-8	
Mathletics	The goal is to help students practice mathematics skills as well as build fluency through activities and other games.	https://parent.3plearning.com/s/product-pricing	Grades K - 12	
Hooda Math	Logic and reasoning, math fact practice and more make up the free educational games at Hooda Math. There are quite a few games that call for higher order thinking and ask students to problem solve to complete the activities. These challenges help to sharpen students' math skills through an engaging online activity.	http://www.hoodamath.com/	Grades K-12	
IXL	IXL web site is for both Math and ELA skills reinforcement. Parents can easily use this to check in on how their children are doing with basic facts at grade level.	https://www.ixl.com/	Grades K-12	Flash cards, simple questioning, diagnostics
Sheppard Software	Hundreds of free, online, learning games for kids. But anyone interested in online learning can use our site - we have so many subjects - (geography, math, animals, science, language arts, creative activities, health) and lots of levels for all abilities - loads of games and activities for learners of any age.	http://www.sheppardsoftware.com/	Grades K-12+	Even has a section for Adults to learn things
RoomRecess	"RoomRecess.com is dedicated to providing children with free learning games that are fun."	https://www.roomrecess.com/	Grades K-6	Free online games for ELA & Math
Math Blaster	The goal at Math Blaster is clear: "Your success depends on your ability to use your brain and logic skills." With an exciting theme featuring aliens and outer space, Math Blaster lets your students become intergalactic heroes based on their math operation and critical thinking skills. Registration is required, but the game itself is free. Be sure to check out the Teacher Section to find Math Blaster for the Classroom.	http://www.mathblaster.com/	Grades K-8	

Math

Site Name	Brief Description	Link	Grade Levels	Additional Notes/ Helpful Hints
CoolMathGames	Coolmath-Games has exactly what the name implies: fun and unique math learning opportunities for students. One of the most interesting features is an online jigsaw puzzle section that features a variety of photos turned into puzzles. This is especially helpful for developing spatial relations in young learners. They have an extensive preview and review of precalculus and calculus in addition to their elementary and middle school games and reviews.	https://www.coolmathgames.com/	Grades K-8	
Bedtime Math	Help your child practice and strengthen their math skills with fun math activities that can be done without screen time!	http://bedtimemath.org/	Grades K-8	
Starfall	Games and activities for grades PreK-3. The main site is meant for children to access and navigate, but there is also a Parent-Teacher center that has free resources and printables. Currently some of their activities hide behind a paywall, but a home membership for the year is only \$35 if you decide that you want more than what is provided free.	https://www.starfall.com/h/	Grades PK-3	Most things free, membership required for some activities
MathGameTime	Designed for students from pre-K through 7th grade, Math Game Time offers fun, educational games focused on critical math concepts. With options like Integer War, Ratio Martian and Jet Ski Addition, students quickly engage with games that are on-target for their grade and the Common Core Standards.	http://www.mathgametime.com/	Grades PK-7	
Fun Brain	Find math games by topic or by grade at FunBrain. On this math site for kids, students can enjoy playing a variety of games that reinforce key mathematical concepts and engage young learners. Many of these games focus on a fun theme, like sports, animals or unique landscapes. Educational videos are also included, and there's a special "Playground" with games suited to pre-K and kindergarten students.	http://funbrain.com/	Grades PK-8	

Social Studies

Site Name	Brief Description	Link	Grade Levels	Additional Notes/ Helpful Hints
Google Earth	Check out Voyager for guided tours!	earth.google.com	All Grades	
iCivics	"iCivics gives students the necessary tools to learn about and participate in civic life, and teachers the materials and support to achieve this goal. Our free resources include print-and-go lesson plans, interactive digital tools, and award-winning games."	https://www.icivics.org/	Grades K-12	
Teaching Tolerance	"Teaching Tolerance is dedicated to reducing prejudice, improving intergroup relations and supporting equitable school experiences for our nation's children. We provide free educational materials to teachers and other school practitioners in the U. S. and Canada."	https://www.tolerance.org/	Grades K-12	
Library of Congress	"News, events, new content & more from the National Library of Congress & specific subject areas – from legislature to poetry, from music to science, from cataloging to copyright."	www.loc.gov	Grades K-12	
National Archives	"Teach with documents using our online tool. Locate teachable primary sources. Find new and favorite lesson plans, and create your own activities for your students."	www.archives.gov/education	Grades K-12	
Stanford History Education Group	"The Reading Like a Historian curriculum engages students in historical inquiry. Each lesson revolves around a central historical question and features sets of primary documents designed for groups of students with diverse reading skills and abilities."	https://sheg.stanford.edu/history-lessons	Grades K-12	
Historical Thinking Matters	A pick for best social studies websites "focused on key topics in U.S. history, that is designed to teach students how to critically read primary sources and how to critique and construct historical narratives."	www.historicalthinkingmatters.org	Grades K-12	
Classroom Law Project	"The Classroom Law Project brings vital and engaging civics and law-related education programs into Oregon schools, teaching students at all grade levels the values and skills essential to being a participating citizen in our democracy."	http://www.classroomlaw.org/	Grades K-12	
Center for History and New Media	"Improving teaching and learning about the past through innovative digital resources, tools, and strategies."	http://chnm.gmu.edu/teaching-and-learning/	Grades K-12	
World History Matters	"A portal to world history websites including Women in World History, World History Sources and more."	http://worldhistorymatters.org/	Grades K-12	
Smithsonian Education	"The Smithsonian Center for Learning and Digital Access (SCLDA) uses all the Smithsonian offers to empower learners to explore their own interests and collaborate with others to bring ideas to life. We create models and methods that make the Smithsonian a learning laboratory for everyone."	http://smithsonianeducation.org/educators/lesson_plans/history_culture.html	Grades K-12	
National Constitution Center	"The first and only institution in America established by Congress to "disseminate information about the United States Constitution on a non-partisan basis in order to increase the awareness and understanding of the Constitution among the American people."	https://constitutioncenter.org/	Grades K-12	
Crash Course World History	"Tons of awesome courses in one awesome YouTube channel- World History, US History, Economics, U.S. Government and Politics."	https://www.youtube.com/user/crashcourse/search?query=social+studies	Grades K-12	
Discovery Education Virtual Field Trips	"Take your students beyond the classroom walls and into some of the world's most iconic locations for rich and immersive learning experiences – no permission slips required."	http://www.discoveryeducation.com/Events/virtual-field-trips/explore/by-subject/social-studies.cfm	Grades K-12	
HipHughes History	"HipHughes History has over 300 Instructional Videos for students of the Social Studies, teachers flipping their class and life-long learners. So whether you're looking for a pedagogical ally, a non-biased explanation of that new Supreme Court case or you're a kid who needs to study HHH has your brain's back!"	http://hiphugheshistory.weebly.com/	Grades K-12	
Big History Project	"By sharing the big picture and challenging middle and high school students to look at the world from many different perspectives, we hope to inspire a greater love of learning and help them better understand how we got here, where we're going, and how they fit in."	https://school.bighistoryproject.com/bhplive	Grades K-12	
Facing History and Ourselves	"Empowering teachers & students to think critically about history & to understand the impact of their choices."	https://www.facinghistory.org/	Grades K-12	

Social Studies

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The Howard Zinn Project	"Based on the lens of history highlighted in Howard Zinn's best-selling book A People's History of the United States, the website offers free, downloadable lessons and articles organized by theme, time period, and reading level."	https://zinnedproject.org/	Grades K-12	
Horrible Histories BBC	A pick for best social studies websites where you can "watch episodes, play games, and sing along to your favourite Horrible Histories songs!"	http://www.bbc.co.uk/cbbc/shows/horrible-histories	Grades K-12	
Digital History	"Enhances history teaching and research through primary sources, an online textbook, extensive reference resources, and interactive materials."	http://www.digitalhistory.uh.edu/	Grades K-12	
Ben's Guide to the U.S. Government	Ben's Guide to the U.S. Government, a service of the Government Publishing Office (GPO), is designed to inform students, parents, and educators about the Federal Government, which issues the publications and information products disseminated by the GPO's Federal Depository Library Program. It is our hope that Ben's Guide to the U.S. Government fulfills that role.	http://bensguide.gpo.gov/	Grades K-12	
Sheppard Software	Hundreds of free, online, learning games for kids. But anyone interested in online learning can use our site - we have so many subjects - (geography, math, animals, science, language arts, creative activities, health) and lots of levels for all abilities - loads of games and activities for learners of any age.	http://www.sheppardsoftware.com/	Grades K-12+	Even has a section for Adults to learn things
GapMinder	GapMinder Data Tools is a great place for exploring how demographic data such as GDP and birth/death rates have changed over time. With interactive graphs using sliders and play/pause effects, students can explore things over a historic timeline. Check it out!	https://www.gapminder.org/tools/	Grades 7 to 12	Free and very intriguing!

English Language Arts

Site Name	Brief Description	Link	Grade Levels	Additional Notes/ Helpful Hints
Wonderopolis	Wonderopolis.org is a website designed to inspire every kind of learner. Each day you will find a Wonder Question. Students can visit, explore and learn from the Daily Wonder or they can explore the website based on their interests.	http://wonderopolis.org/	All Grades	Free
All About Learning Press	This website contains free resources and blogs to help you "take the struggle out of reading and spelling".	https://resources.allaboutlearningpress.com/	ES	Free Resources
Spellodrome	Allows for personalized word lists and incorporates interactive games (i.e. real-time spelling race) for students to practice spelling skills. Students earn digital certificates for progress. (Paid membership is needed after 48 hour trial but price can be roped into Mathletics membership for a discounted price)	https://parent.3plearning.com/s/product-pricing	ES, possibly MS	
Quill	Writing, vocabulary and grammar practice with activity packs for specific skills. Designed for teachers with ELA standards alignment but has a significant "independent practice" section for easy use at home. "You will need to sign up for a teacher account, create a classroom, and then add your child to it as a student."	https://www.quill.org/	Grades 1-12	Free
Newsela	A site that combines current events and reading comprehension. Uses many different news sources from NYT to Nat Geo for material with helpful tools such as questions sets, vocabulary and easy change of reading level for much of the content.	https://newsela.com/	Grades 2-12	Free access to all content for the 2019-2020 school year
ReadTheory	"Accompany your child/children on a journey through our vast library of reading comprehension content."	https://readtheory.org/	Grades 3-12	Free access
Sheppard Software	Hundreds of free, online, learning games for kids. But anyone interested in online learning can use our site - we have so many subjects - (geography, math, animals, science, language arts, creative activities, health) and lots of levels for all abilities - loads of games and activities for learners of any age.	http://www.sheppardsoftware.com/	Grades K-12+	Even has a section for Adults to learn things
Epic	"Free, expansive digital library unlocks treasure trove of books and videos."	https://www.getepic.com/educators	Grades K-5	Free 30 day trial for families
Scholastic Story Starters	A fun interactive way to get young learners writing creatively.	http://www.scholastic.com/teachers/story-starters/	Grades K-5	Free
Storyline Online	This website offers several popular picture books read aloud. A great opportunity to listen and follow along with stories.	https://www.storylineonline.net/	Grades K-5	Free
RoomRecess	"RoomRecess.com is dedicated to providing children with free learning games that are fun."	https://www.roomrecess.com/	Grades K-6	Free online games for ELA & Math
ReadWorks	Free reading comprehension resources for many different topics including non-fiction, fiction, and poetry. Has questions sets for every reading as well as grade level and lexical level alignments.	https://www.readworks.org/	K-12	Free
Lexical Level Parent Guide	Guide for explaining what a lexical level is and how to use it to select appropriate reading material and track progress in reading skills over time.	https://lexile.com/wp-content/uploads/2018/04/Lexile-Parent-Guide-MM0001W-1.pdf	K-12	PDF
Starfall	Games and activities for grades PreK-3. The main site is meant for children to access and navigate, but there is also a Parent-Teacher center that has free resources and printables. Currently some of their activities hide behind a paywall, but a home membership for the year is only \$35 if you decide that you want more than what is provided free.	https://www.starfall.com/h/	Pre K - 3rd	Most things free, membership required for some activities
Celebrities Reading Stories - Article	Many celebrities including Jennifer Garner and Josh Gad are live-streaming themselves via Twitter and Instagram reading children's books. This article has links to follow and additional info.	https://www.deseret.com/entertainment/2020/3/16/21182558/coronavirus-covid-19-josh-gad-amy-adams-jennifer-garner-stories-childrens-books-reading-videos?utm_source=share&utm_medium=ios_app&utm_name=iossmf	PreK to 3	Free live stream
ABCYA	Educational games for grades PreK through Grades 6 that will keep kids engaged. Topics include math, reading, typing, just-for-fun and logic games	https://www.abcya.com/	PreK to 6 +	Fee on computer - paid on iPad

Computer Science & Technology

Site Name	Brief Description	Link	Grade Levels	Additional Notes/ Helpful Hints
Scratch	With Scratch, you can program your own interactive stories, games, and animations – and share your creations with others in the online community. Scratch helps young people learn to think creatively, reason systematically, and work collaboratively – essential skills for life in the 21st century.	https://scratch.mit.edu/	Grades 3-12	Always free
TinkerCAD	Simple 3D design tools, creating and preparing 3D models to print at school.	tinkercad.com	Grades 3-12	Free with a nice tutorial
Teachable Machine	Train a computer to recognize your own images, sounds, and poses without any previous machine learning or coding experience required!	https://teachablemachine.withgoogle.com/	Grades 4-12	Always free
Python MC	Learn how to code in Python programming language and apply that knowledge to creating music like a DJ or professional producer!	https://pythonmc.trinket.io/python-mc-learn-to-code-in-python-and-create-your-own-music#/getting-started-with-python-mc/what-is-python-mc	Grades 6-12	
Grasshopper App	Need to practice javascript at home? Do so with Grasshopper, which allows you to solve little puzzles in your Android or iPhone app using javascript. Quick, easy, and fun practice.	https://grasshopper.app/	Grades 6-12	
Code Academy	Codecademy is an online interactive platform that offers free coding classes in 12 different programming languages including Python, Java, JavaScript, Ruby, SQL, C++, Swift, and Sass, as well as markup languages HTML and CSS.	codecademy.com	Grades 6-12	Free for 180 hours of content
CS First	CS First with Google is a free computer science curriculum that makes coding easy to tech and fun to learn.	https://csfirst.withgoogle.com/s/en/home	Grades 6-8	
Sheppard Software	Hundreds of free, online, learning games for kids. But anyone interested in online learning can use our site - we have so many subjects - (geography, math, animals, science, language arts, creative activities, health) and lots of levels for all abilities - loads of games and activities for learners of any age.	http://www.sheppardsoftware.com/	Grades K-12+	Even has a section for Adults to learn things
RoomRecess	RoomRecess.com is dedicated to providing children with free learning games that are fun.	https://www.roomrecess.com/	Grades K-6	Free online games for Keyboarding

Foreign Languages

Site Name	Brief Description	Link	Grade Levels	Additional Notes/ Helpful Hints
Duolingo	Game-based language learning online or in the app. Choose a language and practice all 4 skills. Grows with the learner as they progress.	https://www.duolingo.com/	Grades PK-12	Free but there are push notifications for in-app purchases for "achievements".
LyricsTraining	This game based website can be used to practice listening and writing skills in a foreign language. Listen to music and fill in the lyrics.	https://lyricstraining.com/	Grades 6-12	Free website & app
FluentU	Video content in a variety of different languages - music videos, documentaries, news, inspirational talks, etc.	https://www.fluentu.com/en/	Grades 6-12	14-day free trial - \$30/mo after
italki	Speak 1-on-1 with native language speakers. Choose from over 10,000 teachers for 1-on-1 lessons based on your goals and interests.	https://www.italki.com/	Grades 9 -12	Pay per lesson
verbling	Speak 1-on-1 with native language speakers. 62 languages offered on both web and app.	https://www.verbling.com/welcome	Grades 9-12	Pay per lesson

Other Subjects

Site Name	Brief Description	Link	Grade Levels	Additional Notes/ Helpful Hints
BrainPOP/BrainPOP Jr.	This tool can be used to introduce a skill or reinforce previously learned topics. A variety of short videos are used to teach students about skills across subject areas. Quizzes and activities are also available with each video.	https://www.brainpop.com/ https://jr.brainpop.com/	Grades K-12	Unlimited use of Brain Pop during Covid-19 closures
Lunch Doodles with Mo Willems	Curious what to do at lunch to make it educationally fun? Every weekday at 1pm ET, join Kennedy Center Education Artist-in-Residence Mo Willems live to learn about drawings and doodles and try them out at your home! If you cannot watch live, you can always watch it later, as the video will remain up for the rest of the day.	https://www.kennedy-center.org/education/mo-willems/	All Grades	Free Website
Izzit	"izzit.org is a free teaching resource website of streaming educational videos, lesson plans, current events articles, and other teaching resources."	https://www.izzit.org/	All Grades	Free Website
Scholastic Learn at Home	Cross curricular learning for a wide variety of topics. Especially good for younger learners - readings, videos, and additional resources included.	https://classroommagazines.scholastic.com/support/learnathome.html	All Grades (esp. K-6)	Currently offering 3 full hours of content per day with options for families, teachers and admin.
Starfall	Great early-literacy practice for English Language Learners.	https://www.starfall.com/h/	PreK-3	Free basic account
Met Opera	At 7:30pm EST every night, the Metropolitan Opera will offer nightly "Opera Stream" where it will be free to watch for up to 24 hours.	https://www.metopera.org/		
Pinna	Audiobooks, music, podcast, etc. for families/kids. No ads, screen-free, streaming.	https://pinna.fm/	Ages 3-12 rec.	Due to COVID-19 Pinna is offering a 60 day free trial