

## Giant List of Online Resources List – March 2020

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[www.albertahomeschooling.ca](http://www.albertahomeschooling.ca)

### Science

- ✓ Explore the surface of Mars on the Curiosity Rover.

<https://accessmars.withgoogle.com/>

- ✓ This Canadian site FarmFood 360 offers 11 Virtual Tours of farms from minks, pigs, and cows, to apples and eggs. <https://www.farmfood360.ca/>

- ✓ Play games and learn all about animals <https://switchzoo.com/>

- ✓ The San Diego Zoo has a website just for kids with amazing videos, activities, and games. Enjoy the tour! <https://kids.sandiegozoo.org/>

- ✓ Tour Yellowstone National Park! <https://www.nps.gov/.../lea.../photosmultimedia/virtualtours.html>

- ✓ Geography and animals

<https://kids.nationalgeographic.com/>

- ✓ High school chemistry topics <https://www.acs.org/.../hi.../chemmatters/articles-by-topic.html>

- ✓ Hands on Elem science videos <https://www.backpacksciences.com/science-simplified>

- ✓ Science projects that can be completed with or without Internet access

<https://sciencespot.net/Pages/classhome.html>

- ✓ Next Generation Science video game focused on middle school where students directly engage in science phenomena as they solve problems. <https://www.tytoonline.com/>

- ✓ Learn all about earthquakes <https://earthquake.usgs.gov/learn/kids/>

- ✓ Learn all about the periodic table <https://www.chemicool.com/>

- ✓ Farmer's almanac for kids... Date, weather, moon phase, etc. <https://www.almanac.com/kids>
- ✓ Guide to gardening for kids <https://web.extension.illinois.edu/firstgarden/>
- ✓ Tons of science experiments that you can do at home  
<https://www.stevespanglerscience.com/lab/experiments/>
- ✓ Space science for kiddos <https://www.nasa.gov/kidsclub/index.html>
- ✓ Just explore, have fun, and learn some science along the way. <https://thehappyscientist.com/>
- ✓ Learn all about cells <https://www.cellsalive.com/>
- ✓ All sorts of learning here if you dig in <https://www.google.com/earth/>
- ✓ Biology <https://www.biologysimulations.com/>
- ✓ Daily free science or cooking experiment to do at [home.http://www.clubscikidzmd.com/blog/](http://www.clubscikidzmd.com/blog/)
- ✓ Chemistry <https://www.playmadagames.com/>
- ✓ K-5th Science lessons <https://mysteryscience.com/>
- ✓ 3 Free Weeks of Maker Stations to keep your children creating at home! Each challenge includes simple instructions using materials around the house, QR code video resources, and a student recording sheets. <https://drive.google.com/file/d/1T4CZCt8hJqYLVt5ZVYpR7SgHLWDWaaUO/view>
- ✓ Interactive video earth science-based curriculum supplement. <https://www.everyday-earth.com/>
- ✓ 3D printing projects and Coding projects, involving math and other K-12 subjects  
<https://www.instructables.com/.../EdgertonCent.../instructables/>
- ✓ 80+ do at home science activities <https://elementalscience.com/.../n.../80-free-science-activities>
- ✓ Science and math labs and simulations <https://phet.colorado.edu/>
- ✓ An online physics problem and video bank designed for conceptual, standard, honors or AP1 physics.  
<https://www.positivephysics.org/home>
- ✓ Science simulations, scientist profiles, and other digital resources for middle school science and high school biology <https://sepuplhs.org/>
- ✓ A human visualization platform that allows students to explore the human body in really cool ways.  
<https://human.biodigital.com/login?returnUrl=/dashboard>
- ✓ This NASA initiative covers a wide range of topics including weather, climate, atmosphere, water, energy, plants, and animals. <https://climatekids.nasa.gov/>
- ✓ Ask Dr. Universe is a science-education project from Washington State University. Kids can send Dr. Universe any question they may have about history, geography, plants, animals, technology, engineering, math, culture, and more. <https://askdruniverse.wsu.edu/>

- ✓ From rainbows to tornadoes and winter storms to tsunamis, meteorologist Crystal Wicker breaks down the fascinating world of weather. <http://www.weatherwizkids.com/>
- ✓ This educational website hosted by the Smithsonian Museum takes a deep dive into ocean life. <https://ocean.si.edu/>
- ✓ Innerbody explores the 11 bodily systems in depth. With interactive models and detailed explanations, this website will help them learn more about the internal mechanics of the amazing human body. <https://www.innerbody.com/htm/body.html>
- ✓ Science podcasts to listen to with your kids <https://medium.com/kidslisten/19-great-science-podcasts-you-can-listen-to-with-kids-6fe46ac506b8#.rb23iuaw6>
- ✓ Alaskan Wildlife cams <http://www.adfg.alaska.gov/index.cfm?adfg=viewing.webcams>
- ✓ Engineering challenges with things you have at home. <https://thehomeschoolscientist.com/paper-structures-engineering-challenge/>
- ✓ Amphibian unit studies <https://premeditatedleftovers.com/naturally-frugal-mom/amphibians-unit-study-resources/>
- ✓ Steve Spangler experiments <https://www.stevespanglerscience.com>
- ✓ Supercharged Science experiments <https://www.superchargedscience.com>
- ✓ San Diego Zoo <https://zoo.sandiegozoo.org/>
- ✓ Gross Science – the name says it all! <https://www.pbs.org/show/gross-science/>
- ✓ National Geographic Kids <https://kids.nationalgeographic.com/>
- ✓ Magic School Bus <http://www.scholastic.ca/magicschoolbus/>

## Math

- ✓ Math practice from counting to algebra and geometry <http://www.mathscore.com/>
- ✓ Coding for ages 4-10 <https://www.kodable.com/>
- ✓ Math Videos with lessons, real life uses of math, famous actors <https://www.hmhco.com/math-at-work>
- ✓ Math and Science programs for toddler through high school <https://www.khanacademy.org/>
- ✓ Math and reading games <https://www.abcya.com/>
- ✓ Math and language games <https://www.arcademics.com/>

- ✓ Math as a fun part of your daily family routine <http://bedtimemath.org/>
- ✓ Elem Math through 6th grade <https://boddlelearning.com/>
- ✓ Geometry <https://www.canfigureit.com/>
- ✓ A wide range of math content from middle school through AP Calculus. <https://deltamath.com/overview>
- ✓ Day-by-day projects to keep kids reading, thinking, and growing. <https://classroommagazines.scholastic.com/.../learnathome.html>
- ✓ Higher level math series... online video series with detailed solutions to more than a thousand publicly-released College Board SAT Math, Subject Test Math Level 1, and Subject Test Math Level 2 problems. <https://www.youtube.com/channel/UCbQoCpvYRYRkRRvsObOPHaA?reload=9>
- ✓ K-8 online math program that looks at how a student is solving problems to adjust accordingly and build a unique learning path for them. <https://www.dreambox.com/at-home>
- ✓ Enter your math problem or search term, press the button, and they show you the step-by-step work and answer instantly. 2nd grade through college. <https://www.mathcelebrity.com/online-math-tutor.php>
- ✓ Elem Math games, logic puzzles and educational resources <https://www.mathplayground.com/>
- ✓ Scads of free resources, games, learning resources, and lesson plans for teaching personal finance <https://www.ngpf.org/>
- ✓ Math practice <https://xtramath.org/#/home/index>
- ✓ K-5 curriculum that builds deep understanding and a love of learning math for all students <https://www.zearn.org/>
- ✓ Learn to code <https://www.codecademy.com/>
- ✓ Scratch draws students of all types into coding and lays a foundation for future learning. <https://scratch.mit.edu/>
- ✓ Website allows students to play basic games to reinforce math skills and compete against the computer or others <https://www.mangahigh.com/en-us/>
- ✓ Math Games, Logic Puzzles and Brain Builders <https://www.mathplayground.com/>
- ✓ Math games galore <https://gridclub.com/>
- ✓ Short videos about numbers that help kids explore complex math topics and make math more fun. <https://www.numberphile.com/>
- ✓ Algebra games for kids <https://www.dragonboxapp.com>
- ✓ Fractions practice <http://www.mathchimp.com/freddysfractions.php>

- ✓ Math and logic problems for ages 5 and up to adult <https://www.aplusclick.org/>
- ✓ Coding with Star Wars <https://code.org/starwars>
- ✓ Youcubed (created by Stanford professor Jo Boaler) offers videos and math problems that can apply to all ages. Mindset, perseverance and the importance of making mistakes are the focal point of these math lessons <https://youcubed.org>
- ✓ Mathpickle Math problems <https://mathpickle.com>

## Reading/Writing/Spelling English

- ✓ Math and Reading games <https://www.funbrain.com/>
- ✓ Phonics skills <https://www.starfall.com/h/>
- ✓ Read, play games, and hang out with Dr. Seuss <https://www.seussville.com/>
- ✓ Fave kids books read by famous people <https://www.storylineonline.net/>
- ✓ Games to get "into the book" <https://reading.ecb.org/>
- ✓ Grammar practice for middle grades <https://www.classroomcereal.com/>
- ✓ Reading passages for grades 3-12, with reading comprehension and discussion questions. <https://www.commonlit.org/>
- ✓ Printable board games, activities and more for phonics and reading all using evidence-based methods. Can be customized to any student's needs including creating flashcards for other subjects. <https://dogonalogbooks.com/printables/>
- ✓ Engaging reading game for grades 2-8 that combines strategy, engagement, and imaginative reading passages to create a fun, curriculum-aligned literacy game. <https://www.squigglepark.com/dreamscape/>
- ✓ Magic Spell is a carefully crafted spelling adventure. <https://brainbox.games/>
- ✓ Improve your typing skills while competing in fast-paced races with up to 5 typers from around the world. <https://www.nitrotype.com/>
- ✓ Online curriculum that builds better writers. <https://www.noredink.com/>
- ✓ Novel Effect makes storytime a little more fun for kids (and grown-ups too!) As you read out loud from print books (or ebooks!) music, sound effects, and character voices play at just the right moment, adjusting and responding to your voice. <https://noveleffect.com/>

- ✓ Teaches students how to write a paragraph through interactive online tutorial <http://www.paragraphpunch.com/>
- ✓ ReadWorks is an online resource of reading passages and lesson plans for students of all levels K-12. <https://www.readworks.org/>
- ✓ Course sets (Levels 1–5) that combine and thoroughly cover phonics, reading, writing, spelling, literature, grammar, punctuation, art, and geography—all in one easy-to-use, beautiful course. <https://www.goodandbeautiful.com/>
- ✓ Critical Thinking resources for K-6 students <https://marketplace.mythinkscape.com/store/redtkids>
- ✓ The Shurley English program for grades K-8 provides a clear, logical, and concrete approach to language arts. <https://www.shurley.com/>
- ✓ Sight reading and sight singing practice exercises. <https://www.sightreadingfactory.com/>
- ✓ Spellingcity is free right now with code VSCFree90 <https://www.spellingcity.com/>
- ✓ Short videos and readings that answer various burning questions for students. There are vocabulary challenges and comprehension questions. <http://wonderopolis.org/>
- ✓ Spelling 1-4 grade <https://www.spellingtraining.com/>
- ✓ Phonics and learning to read <https://readingeggs.com/>
- ✓ Phonics worksheets for kids <https://www.funfonix.com/>
- ✓ Free stories online ages 3-12 <https://www.freechildrenstories.com/>
- ✓ Randomly generates 356,300,262,144 story starters <https://thestorystarter.com/>
- ✓ Work on the 8 parts of speech <https://www.grammaropolis.com/>
- ✓ Storyonline <https://www.storylineonline.net>
- ✓ Storybots <https://www.storybots.com/videos>
- ✓ Brave Writer <https://bravewriter.com>
- ✓ Epic Books <https://www.getepic.com>
- ✓ Write your own book <http://www.storybird.com>

## Geography/History/Social Sciences

✓ Travel to Paris, France to see amazing works of art at The Louvre with this virtual field trip.

<https://www.louvre.fr/en/visites-en-ligne>

✓ This Virtual Tour of the Great Wall of China is beautiful and makes history come to life.

<https://www.thechinaguide.com/destinati.../great-wall-of-china>

✓ This iconic museum located in the heart of London allows virtual visitors to tour the Great Court and discover the ancient Rosetta Stone and Egyptian mummies. <https://britishmuseum.withgoogle.com/>

✓ Online history classes for all ages preteen through adults

<https://school.bighistoryproject.com/bhplive>

✓ Digital archive of history <https://www.bunkhistory.org/>

✓ 35,000 pages of online content on the cultures and countries of the world.

<https://www.countryreports.org/>

✓ National Geographic Young Explorers is a magazine designed specifically for kindergarten and first grade students. Children can listen to the magazine being read to them as they follow along with the highlighted text. <https://ngexplorer.cengage.com/ngyoungexplorer/index.html>

✓ An interactive way to learn history <https://www.mission-us.org/>

✓ Games, quizzes and fact sheets take kids on a journey through time.

<https://www.bbc.co.uk/history/forkids/>

✓ NGAkids interactives offer an entertaining and informative introduction to art and art history.

<https://www.nga.gov/education/kids.html>

✓ News and more for kids <https://www.youngzine.org/>

✓ Tests kids' geography skills. Using images from Google's Street View, it plops players down in the middle of the street and asks them to figure out where they are. <https://www.geoguessr.com/>

✓ Allows students to type in any city, state, or country to view an archive of historical photographs and other documents. It's a unique way to help them learn about history. <http://www.whatwasthere.com//>

✓ No need to travel to one of the Smithsonian's zoos or museums — this website brings your child everything from live video of the National Zoo to the Smithsonian Learning Lab right to their screen

<https://www.si.edu/kids>

✓ This interactive website, hosted by the U.S. Government Publishing Office, allows your child to see the ins and outs of the U.S. government by taking a series of learning adventures with none other than Benjamin Franklin. <https://bensguide.gpo.gov/>

✓ Your child can play games, learn fun facts, and find out how to turn coin collecting into a hobby.

<https://www.usmint.gov/learn/kids>

- ✓ Open online courses created by Harvard and MIT. I have personally done free online courses through Stanford University. <https://www.mooc.org/>
- ✓ Tons of typing, crosswords and cursive activities <https://www.education.com>
- ✓ TedTalks and TedED <https://ed.ted.com>
- ✓ History of the world funny videos <https://www.youtube.com/watch?v=xuCn8ux2gbs>

## General

- ✓ 300,000+ FREE printable worksheets from toddlers to teens <https://www.123homeschool4me.com/home-school-free-printables>
- ✓ Play with fave show characters and learn too <https://pbskids.org/>
- ✓ Virtual field trips <https://bit.ly/2QBfFa2>
- ✓ Google Virtual Museum Tours <https://artsandculture.google.com/partner?hl=en>
- ✓ Crafts, activities, mazes, dot to dot, etc, <https://www.allkidsnetwork.com/>
- ✓ Hands on play ideas for all ages <https://judyarnall.com/2010/08/02/mid-summer-play-ideas-for-bored-children/>
- ✓ Voice based learning... learn through Alexa <https://bamboolearning.com/resources>
- ✓ Fun games, recipes, crafts, activities <https://www.highlightkids.com/>
- ✓ ClickSchooling brings you daily recommendations by email for entertaining websites that help your kids learn. <https://clickschooling.com/>
- ✓ Science, Math, Social Studies <https://www.ck12.org/student/>
- ✓ Educational games K-12 <https://www.breakoutedu.com/funathome>
- ✓ Test Prep for SAT, ACT, etc. <https://www.bwseducationconsulting.com/handouts.php>
- ✓ Tons of free classes from leading universities and companies <https://www.coursera.org/>
- ✓ Free printable K-8 Reading and Math activity packs (available in English and Spanish) <https://www.curriculumassociates.com/>
- ✓ Digital learning content for preschool through high school <https://www.curriki.org/>
- ✓ Classes for older teens or adults <https://www.thegreatcoursesplus.com/>

- ✓ Online homeschool platform & curriculum for Pre-K to 12th grade. All main subjects are covered, plus extra curriculum courses. <http://discoveryk12.com/dk12/>
- ✓ A safe research site for elementary-level readers. <https://www.facts4me.com/>
- ✓ Resources for AP students including live reviews, live trivia, and study guides! <https://app.fiveable.me/>
- ✓ Educational brain breaks to help students review essential literacy and math skills, while getting in some exercise. Find over 900 videos to help your child keep learning at home and burn off some extra energy. Our site is best used for ages 4-8. <https://fluencyandfitness.com/register/school-closures/>
- ✓ 7,000 free videos in 13 subject areas <https://hippocampus.org/>
- ✓ Carmen Sandiego videos, stories, and lessons for all subject areas <https://www.carmensandiego.com/resources/>
- ✓ Entertaining & educational videos for all levels and subjects <https://www.izzit.org/index.php>
- ✓ Free Printables for PreK-2nd Grade <https://www.teacherspayteachers.com/.../Lite.../Price-Range/Free>
- ✓ Resources for AP students <https://marcolearning.com/>
- ✓ Daily lessons and educational activities that kids can do on their own <https://www.superchargedschool.com/>
- ✓ Adaptive curriculum in Math and ELA for Grades K-8 <https://www.scootpad.com/>
- ✓ PreK-12 digital media service with more than 30,000 learning materials <https://www.pbslearningmedia.org/>
- ✓ Curricular content hub specifically designed for K-3 students. <https://pebblego.com/free-pebblego-capstone-interactive-access-school-closures>
- ✓ Free videos from around the world from grade 3-12 <https://www.projectexplorer.org/>
- ✓ For students to practice and master whatever they are learning. <https://quizlet.com/>
- ✓ A collection of hundreds of free K-12 STEM resources, from standalone models and simulations to short activities and week long sequences of curriculum materials. <https://learn.concord.org/>
- ✓ Keyboarding practice <https://www.typingclub.com/> or <https://www.typing.com/>
- ✓ A quick start resource to help families pull together a plan. Homeschooling can also be a time of slowing down and enjoying kids as they learn. Preschool through Grade 8 <https://abetterwaytohomeschool.com/learning-at-home-everything-you-need-in-one-place.html>
- ✓ 450 Ivy League courses that you can take for free now. <https://www.freecodecamp.org/news/ivy-league-free-online-courses-a0d7ae675869/>

- ✓ 2,500+ online courses from top institutions <https://www.edx.org/>
- ✓ Miscellaneous games for all subjects k-8 <https://www.funbrain.com/>
- ✓ PreK - 5 games for all subjects <https://www.turtlediary.com/>
- ✓ Online digital coloring pages <https://www.thecolor.com/>
- ✓ Every course you could possibly want to homeschool preschool - 8 <https://allinonehomeschool.com/>
- ✓ Every course you could possibly want to homeschool for high school <https://allinonehighschool.com/>
- ✓ Interactive games based on the book series <https://www.magictreehouse.com/>
- ✓ Resource section includes free flashcards, coloring pages, worksheets, and other resources for children, teachers, and parents. <https://supersimple.com/>
- ✓ Cool Kid Facts gives your child access to educational videos, pictures, quizzes, downloadable worksheets, and infographics. They can use these to learn about geography, history, science, animals, and even the human body. <https://www.coolkidfacts.com/>
- ✓ Brainscape offers over a million flashcard decks for every subject, entrance exam, and certification imaginable. <https://www.brainscape.com/>
- ✓ Alcumus is specifically designed to provide high-performing students with a challenging curriculum appropriate to their abilities <https://artofproblemsolving.com/alcumus>
- ✓ Find and fix learning gaps <https://www.mobymax.com/>
- ✓ Education for kids all topics <https://www.ducksters.com>
- ✓ Education for kids all topics <https://brainpop.com>
- ✓ Tons and tons and tons of games some learning some just fun <https://www.crazygames.com/>
- ✓ Crafts, projects, science, recipes for young children <https://www.funology.com/>
- ✓ Card Games- want to practice counting, addition, subtraction? There are so many card games you can play. All you need is a deck of cards. Here's a list of games: <https://playingcarddecks.com/blogs/all-in/40-great-card-games-for-all-occasions>

## Music

- ✓ Music is for everyone <https://musiclab.chromeexperiments.com/Experiments>
- ✓ Poetry and music <https://www.thewell.world/mindful-mu.../mindful-poetry-moments>

- ✓ Introductory and intermediate music theory lessons, exercises, ear trainers, and calculators. <https://www.musictheory.net/>
- ✓ Prodigies is a colorful music curriculum for kids 1-12 that will teach your kids how to play their first instrument, how to sing in tune & how to understand the language of music! 21 for free <https://prodigiesmusic.com/>
- ✓ QuaverMusic is offering free access to general music activities to all impacted schools, including free student access at-home <https://www.quavermusic.com/info/at-home-resources/>
- ✓ Music practice transformed <https://www.smartmusic.com/>
- ✓ Lets kids play instruments online. Instruments include the guitar, piano, pan flute, drums, and bongos. <https://www.virtualmusicalinstruments.com/>
- ✓ The Theta Music Trainer offers a series of online courses and games for ear training and music theory. <https://trainer.thetamusic.com/en>

## Art

- ✓ A wonderful, endlessly detailed way to get kids engaged in the world of art. <https://www.metmuseum.org/art/online-features/metkids/>
- ✓ Helps kids learn to appreciate the arts by providing them with the opportunity to play games, conduct investigations, and explore different forms of art. <https://artsology.com/>
- ✓ Kids Think Design explores careers in fashion design, graphic design, interior design, book design, product design, film and theatre, architecture, animation, and environmental design. <http://www.kidsthinkdesign.org/>
- ✓ Art for Kids Hub <https://artforkidshub.com>
- ✓ Online photograph jigsaw puzzles You can set the pieces from 6-1000+ <https://www.jigsawexplorer.com/>
- ✓ Google Arts and Culture <https://artsandculture.google.com>
- ✓ Adobe Spark <https://spark.adobe.com>

## Languages

- ✓ Resources for Spanish practice <https://www.difusion.com/campus/>
- ✓ Chinese learning activities <https://chalkacademy.com/>
- ✓ Foreign languages <https://www.duolingo.com/>
- ✓ Vocabulary, grammar, listening activities and games in Spanish, French, Italian, German, Portuguese, Korean, and Latin. <https://conjuguemos.com/>
- ✓ Music Based Spanish Learning <https://rockalingua.com/>
- ✓ Immerse yourself in cryptography <https://www.cryptoclub.org/>
- ✓ 22 languages to learn <https://www.memrise.com/>

## Physical Education/Health

- ✓ Movement and mindfulness videos created by child development experts. <https://www.gonoodle.com/>
- ✓ Free at-home kids yoga lesson plans <https://littletwistersyoga.com/online-store/>
- ✓ Illustrated recipes designed to help kids age 2-12 cook with their grown-ups. Recipes encourage culinary skills, literacy, math, and science. <https://www.nomsterchef.com/nomster-recipe-library>
- ✓ Kid-friendly workouts — choose from Strength for Kids, Agility for Kids, Flexibility and Balance for Kids, Warm-Up for Kids, Cooldown for Kids, Stand Up and Move for Kids, OR create your own custom kid workout. <https://app.sworkit.com/collections/kids-workouts>
- ✓ At home OT, PT, and ST resources designed to build skills in children through movement and play. <https://www.theottoolbox.com/>
- ✓ Life skills curriculum for students in grades K-12. Their resources include strategies for teaching social and emotional skills. <https://www.overcomingobstacles.org/>
- ✓ Banzai exposes students to real-world financial dilemmas to teach them the importance of smart money management. <https://www.teachbanzai.com/>
- ✓ More finances <https://www.moneymentors.ca>

## Preschool

- ✓ Indoor Activities for busy toddlers <https://busytoddler.com/2020/03/indoor-activities/>
- ✓ Free printables library with activities for children 0-6  
<https://www.littlesparkcompany.com/printables-library>
- ✓ Toddler and preschool age ideas <https://preschoolinspirations.com/>
- ✓ General Unschooling Play Ideas for Children <https://unschoolingtouniversity.com/2016/08/16/play-ideas-for-the-dogs-days-of-summer/>
- ✓ Quick & easy at home projects curated for kids 2 and up <https://www.kiwico.com/kids-at-home>
- ✓ Crafts, activities, bulletin board designs, and finger plays for early education teachers and parents to use with kids. <http://www.preschoolexpress.com/>
- ✓ A large selection of fun songs to help teach preschool and kindergarten students  
<https://www.songsforteaching.com/preschoolkindergarten.html>