

Guernsey Educational Psychology Service

Online Educational Resources

These resources are intended for the use of teachers and/or parents who are supporting home learning during the Covid 19 pandemic.

All online sites listed have been individually checked as to their appropriateness by the Guernsey Educational Psychology Service in April 2020.

We make every effort to recommend websites that have content that is appropriate for general audiences. However, we assume that adults will preview the sites and allocate suitable tasks/activities, based on their knowledge of the individual child's development and needs.

FREE EDUCATIONAL WEBSITES FOR KIDS

For Links Visit FromABCsToACTs.com

PBS Kids	Youngzine
Make Me Genius	Fuel the Brain
Starfall	Mr. Nussbaum
The Magic School Bus	Exploratorium
Cool Math	Turtle Diary
Highlights Kids	e-Learning for Kids
ABCya	Sesame Street
National Geographic Kids	Fun Fonix
The KIDZ Page	Seussville
Funbrain	Tvokids
NGAkids Art Zone	The Story Starter
BBC History for Kids	NASA Kids' Club
Storyline Online	Crypto Club
Steve Spangler Science	Earthquakes for Kids
Mission US	Smithsonian Learning Lab
The Happy Scientist	Study Jams
Khan Academy	Grid Club
Cells Alive	Magic Tree House
KidsReads	DOGO News
Google Earth	Science Bob



77 (MORE) Simple STEM Activities for Families



- ✓ Create a treasure hunt with a map & clues
- Learn to identify trees by their leaves
- Read a book with a STEM theme
- Make the alphabet from sticks or other natural items
- Make your name or words out of recycled materials
- Interview a relative using storycorps.org
- Take your bike apart and put it back together it
- Make something from old puzzle pieces
- Watch *Hidden Figures*
- Make a LEGO maze
- Test objects in your house to see if they float or sink
- Write instructions to make a sandwich & let someone follow them exactly
- Use the cards A-10 & play War, but see who can add, subtract, or multiply fastest
- Play Battleship
- Build a paper airplane launcher
- Build a fort using couch cushions & blankets
- Plant some flowers
- Make something useful from duct tape
- Invent something to solve a problem in your home
- Make "rubber stamps" out of cardboard & pasta
- Learn to solve a Rubik's Cube
- Write your own book, including drawings & cover
- Rearrange furniture in a room to improve function & movement in the room
- Track & graph your high score in a game
- Make ice cubes from various liquids & see how long each takes to freeze



- Make dinner for your family
- Determine how much waste there is from cooking a meal
- Invent your own musical instrument
- Try making gears using the website gearsket.ch
- Create a secret code using a shift or "Caesar" cipher
- Pick a word & see how many other words you can make from the letters
- Measure & graph temperature or rain totals
- Draw your own comic book
- Make a time capsule to open in 10 years
- Make artwork using shaving cream, food coloring, & a toothpick
- Plant a butterfly garden
- Invent a toy for your pet
- Watch *Cloudy with a Chance of Meatballs*
- Freeze a small toy or coin in water & make a time-lapse video of it melting
- Put different amounts of water in glass containers & tap gently to make music
- Make paper airplanes using foldnfly.com
- Try sprouting a carrot top, dried bean, or fruit seed
- Put some dirty pennies in vinegar
- Put celery or flowers in water that contains food coloring
- Learn bird calls
- Build the tallest tower with 1 piece of paper & tape
- Turn an old book into a secret hiding place
- Learn to cook a new recipe or invent your own
- Observe the moon each night & take pictures to make a time-lapse video

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- Measure things with a tape measure
- Build a model city with items in your house
- Make a bird feeder using a pinecone, suet, & birdseed
- Count how many & what type of birds come to your birdfeeder
- Make a mini-golf course
- Read a book & make a "book trailer"
- Paint rocks with encouraging words
- Weave a bracelet
- Learn about a STEM career
- Write a story, act it out with your family, & record it
- Make a sundial
- Invent a board game using bottle caps or other small items as pieces
- Draw something with isometric dot paper
- Make a slow-motion video of something in nature
- Learn to fold cloth napkins
- Make bread using yeast
- Draw 20 circles & turn each into something (pizza, planets, wheels, etc)
- Build something using toothpicks or straws
- Practice coding using Scratch or code.org
- Learn to crochet or knit
- Make your own tangrams
- Learn how cellphones work
- Draw a detailed map of a room in your home
- Learn to sew
- Make something from an empty toothpaste tube
- Look at the clouds
- Learn about the history of technology in your area
- Make cardboard automata (movable sculpture)

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Chris Woods @dailySTEM
dailystem.com/resources



Activities

Family Days Tried and Tested – a gateway to a range of activities throughout the age ranges

https://www.familydaystriedandtested.com/?fbclid=IwAR0VJnfGrmRXE4cOHNCkixd3dW_Swb06nfU2_Eh4JlxstcUFRJwZpw9h2iQ

Hello Wonderful – activities for younger children (Pre-school to Infants)

<https://www.hellowonderful.co>

Educational games R-12 – online games/activities for students, for different subjects and age ranges

<https://www.breakoutedu.com/funathome>

Quick & easy at home projects curated for kids 2 and up - online games/activities for students, for different subjects and age ranges. Includes resources for parents

<https://www.kiwico.com/kids-at-home?fbclid=IwAR0405WdFBiaU1yzvcUbhHylaLvR3KLMD9GZetOJakbmjxmUsrWK7FIE-->

Online digital coloring pages for completing online

<https://www.thecolor.com/?fbclid=IwAR1bK8hjmPSEzlxzqNuoQstzsDcK3gNVSMwglEOJcBPTIOUINWJzZm9Fohs>

CBBC – online games related to CBBC shows

<https://www.bbc.co.uk/cbbc/games>

Learning for older students (14+)

Tons of free classes from leading universities and companies – aimed at older teens and adult learners

https://www.coursera.org/?fbclid=IwAR3IVINrgm5YmniSiejJd8jR0kV420hqB6bj_QtDFaWTeKkSkZgizvzwsv-Y

Classes for older teens or adults

https://www.thegreatcoursesplus.com/lp/t1/freemo?source_id=FREEEMO&utm_source=Social_Media&utm_medium=Facebook&utm_campaign=1000614&fbclid=IwAR20XSLsV4tXxiHnAb8jgisQ8K6Y_Uz3KMZ4evJpGYRkv6GVK8raSsXvgFo

Free resources, games, learning resources, and lesson plans for teaching personal finance

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

An online physics problem and video bank designed. You need to register as teacher/student and can track progress

<https://www.positivephysics.org/home>

450 Ivy League University courses that you can take

[https://www.freecodecamp.org/.../ivy-league-free-online-cou.../...](https://www.freecodecamp.org/.../ivy-league-free-online-cou.../)

2,500+ online courses from top institutions

<https://www.edx.org/?fbclid=IwAR1AfZCeNF6mOihT0gi5YcPUA3OsCcDiP3gheIOKy5d1oeVy249yqGUnTks>

Learn to code

<https://www.codecademy.com/>

Animals

The San Diego Zoo has a website just for kids with amazing videos, activities, and games

<https://kids.sandiegozoo.org/>

Tour Yellowstone National Park!

<https://www.nps.gov/.../lea.../photosmultimedia/virtualtours.htm>

Play games and learn all about animals

<https://switchzoo.com/>

Art and Crafts

Red Ted Art

www.redtedart.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 sheet

bit.ly/freemakerstations

Messy Little Monster

<https://www.messylittlemonster.com>

Crafts, activities, mazes, dot to dot, etc

<https://www.allkidsnetwork.com/>

Fun, games, recipes, crafts, activities

https://www.highlightskids.com/?fbclid=IwAR1DdMli5P_usl3kdZUV3VVM-xo2tFgcb4pAEa7K8PVVf0gF3Zn_Hm_eSGs

National Gallery Arts - NGAkids - interactives offer an entertaining and informative introduction to art and art history – has a downloadable ipad app

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

Cooking

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>

Cryptography

Immerse yourself in cryptography

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

Farm life

This Canadian site FarmFood 360 offers 11 Virtual Tours of farms from minks, pigs, and cows, to apples and eggs

<https://www.farmfood360.ca/>

Gardening

Guide to gardening for kids

https://web.extension.illinois.edu/firstgarden/?fbclid=IwAR37ELMusMx_diNiMz7wuNfg57M6tLOx6rSESiog0DaGO2MON5WQLUGRUgM

General

Amazing Educational Resources

https://www.amazingeducationalresources.com/?fbclid=IwAR3zBiOVV1tJ9vcyDz4tI3HOS-wWMjlc879MKOkRCCuCcxf_rnm_U4gyNHY

Geography

National Geographic Kids

<https://www.natgeokids.com/uk/>

Geography and animals

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

National Geographic Young Explorers is a magazine designed specifically for Reception and Year 1 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>

Hand washing

Music with Nancy

https://www.youtube.com/watch?v=egt_2WBjeOM&feature=youtu.be&fbclid=IwAR3KrM3rnPCve1YU5LIK6a20xk3kZb6cPAmdYacQqpfEW4saRbqi8cekiG0

History

Online history classes for all ages preteen through adults. You need to register as teacher to create your virtual class

<https://school.bighistoryproject.com/bhplive?fbclid=IwAR2jeiasVfbeYOiCaJGgUCoftNVrEB54REDPXUEgpdvU4hOQpe0-cvCuilk>

Digital archive of history – older teens upwards

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

An interactive way to learn US history

<https://www.mission-us.org/>

Home learning

BBC Bitesize – online learning resources for children by age and topic. From April this will be updated to support greater home learning

<https://www.bbc.co.uk/bitesize>

Day by day projects to promote thinking, reading and learning at home

<https://classroommagazines.scholastic.com/support/learnathome.html>

Learning and Exploring Through Play - Huge bank of activity ideas - arts, crafts, printables, sensory play

www.learningandexploringthroughplay.com

Twinkl – home learning support hub – can find resources by age and topic

<https://www.twinkl.co.uk>

The Kids Should See This – videos for curious minds – can chose topics

<https://thekidshouldseethis.com>

Topmarks is good for all ages from preschool-secondary – has a parents resources section

<https://www.topmarks.co.uk/>

Ted Ed – new section for home learning

https://ed.ted.com/daily_newsletter

Play with PBS show characters and learn too

<https://pbskids.org/>

300,000+ FREE printable worksheets from toddlers to teens

<https://www.123homeschool4me.com/home-school-free-printabl>

ClickSchooling brings you daily recommendations by email for entertaining websites that help your kids learn

<https://clickschooling.com/>

35,000 pages of online content on the cultures and countries of the world – includes a page for Guernsey

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

Free printable R-8 Reading and Math activity packs (available in English and Spanish)
<https://www.curriculumassociates.com/supporting-students-aw...>

Digital learning content for preschool through high school – designed more for teachers
<https://www.curriki.org/>
Online homeschool platform & curriculum for Pre-school-Year 12. All main subjects are covered, plus extra curriculum courses
<http://discoveryk12.com/dk12/>

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. Site is best used for ages 4-8
<https://fluencyandfitness.com/register/school-closures/>

7,000 free videos in 13 subject areas – seems suitable for older students
<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>

Online education program for toddler through high school...
<https://www.khanacademy.org/>

3D printing projects and Coding projects, involving math and other R-12 subjects
<https://www.instructables.com/.../EdgertonCent.../instructables/>

Daily lessons and educational activities that kids can do on their own
<https://www.superchargedschool.com/>

Adaptive curriculum in Math and ELA for Years R-8 – virtual classroom activities to be monitored by a teacher
<https://www.scootpad.com/>

Pre R-12 digital media service with more than 30,000 learning materials
<https://www.pbslearningmedia.org/>

Curricular content hub specifically designed for R-3 students – you would need to register
<https://pebblego.com/free-pebblego-capstone-interactive-acc...>

Science and math labs and simulations
<https://phet.colorado.edu/>

Free videos from around the world from Years 3-12

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

For students to practice and master whatever they are learning

<https://quizlet.com/>

ReadWorks is an online resource of reading comprehension passages and lesson plans for students of all levels R-12

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

Short videos and readings that answer various wondrous/burning questions for students. There are vocabulary challenges and comprehension questions

<https://wonderopolis.org/>

Miscellaneous games for all subjects Reception- Year 8

<https://www.funbrain.com/>

Pre Reception – Year 5 games for all subjects

<https://www.turtlediary.com/>

Farmer's almanac for kids... Date, weather, moon phase, etc

<https://www.almanac.com/kids>

Maths

Primary maths resources and home learning packs

[https://thirdspacelearning.com/blog/home-learning-resources/?utm_source=Facebook&utm_medium=Social&utm_content=18 03 2020 Home Learning Blog&utm_campaign=tsl march 2020](https://thirdspacelearning.com/blog/home-learning-resources/?utm_source=Facebook&utm_medium=Social&utm_content=18%2003%202020%20Home%20Learning%20Blog&utm_campaign=tsl_march_2020)

Maths practice from counting to algebra and geometry

<http://www.mathscore.com/>

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/>

Primary Math through Year 6 – you need to register

<https://boddlelearning.com/>

Geometry

<https://www.canfigureit.com>

A wide range of math content from middle school onwards. Allows teachers to set their students online activities

<https://deltamath.com/overview>

Reception – Year 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>

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...>

Math Videos with lessons, real life uses of math, famous actors

<https://www.hmhco.com/math-at-work>

Enter your math problem or search term, press the button, and they show you the step by step work and answer instantly. Year 2+ to college

<https://www.mathcelebrity.com/online-math-tutor.php>

Elementary Math games, logic puzzles and educational resources

<https://www.mathplayground.com/>

Math practice – can be used by teachers for class or by parents.

<https://xtramath.org/#/home/index>

Reception – Year 5 curriculum that builds deep understanding and a love of learning math for all students

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

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 galore

<https://gridclub.com/>

Mental Health and Well being

The Health Improvement Commission's Be Active @ Home guide

<https://healthimprovement.gg/services/be-active/be-active-home>

Joe Wicks' 'PE with Joe' sessions, live on YouTube at 9:00 am daily

<https://www.youtube.com/channel/UCAxW1XT0iEJo0TYIRfn6rYQ>

Guide to maintaining a healthy lifestyle whilst studying at home

<https://docs.google.com/document/d/1oqdHVowYsZogD1sJ7ySi2YtauhsSQonQylyDt4G4sSE8>

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/>

At home OT, PT, and ST resources designed to build skills in children through movement and play

<https://www.theotttoolbox.com/>

Misc

West End Theatre shows for free streaming

<https://www.willowsmusical.com/#>

Modern Foreign Languages

Vocabulary, grammar, listening activities and games in Spanish, French, Italian, German, Portuguese, Korean, and Latin

<https://conjuguemos.com/>

Foreign languages

<https://www.duolingo.com/>

Music Based Spanish Learning

<https://rockalingua.com/>

22 languages to learn

<https://www.memrise.com/>

Museums

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/>

Music

Music is for everyone

<https://musiclab.chromeexperiments.com/Experiments>

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/>

Sight reading and sight singing practice exercises

<https://www.sightreadingfactory.com/>

Music practice transformed

<https://www.smartmusic.com/>

Nature

Nature Detectives

<https://naturedetectives.woodlandtrust.org.uk/naturedetect.../>

News for Kids

News and more for kids

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

Phonics

Phonics worksheets for kids

<https://www.funfonix.com/>

Phonics skills

<https://www.starfall.com/h/>

Poetry

Poetry and music

<https://www.thewell.world/mindful-mu.../mindful-poetry-moments>

Preschool Learning

Preschool Inspirations

<https://preschoolinspirations.com>

Teach Preschool

<https://teachpreschool.org>

Imagination Tree

<https://theimaginationtree.com/>

Best Ideas for Kids

<https://www.thebestideasforkids.com/>

Cbeebies

<https://www.bbc.co.uk/cbeebies>

Cbeebies Radio

<https://www.bbc.co.uk/cbeebies/radio>

Indoor Activities for busy toddlers

<https://busytoddler.com/2020/03/indoor-activities/...>

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/>

Free Printables for Preschool – Year 2

<https://www.teacherspayteachers.com/.../Lite.../Price-Range/Free>

Every course you could possibly want to homeschool preschool – 8

<https://allinonehomeschool.com/>

Reading**Vooks – offers 1 month access for free**

<http://www.vooks.com>

Read, play games, and hang out with Dr Seuss

<https://www.seussville.com/>

Favorite kids books read by famous people

<https://www.storylineonline.net/>

Games to get “into the book” - need to register

<https://reading.ecb.org/>

Reading passages for Years 3-12, with reading comprehension and discussion questions

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

Engaging reading game for Years 2-8 that combines strategy, engagement, and imaginative reading passages to create a fun, curriculum-aligned literacy game
<https://www.squigglepark.com/dreamscape/>

Novel Effect makes story time 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/>

Phonics and learning to read – offers a 30 day free trial
<https://readingeggs.com/>

Free stories online ages 3-12
<https://www.freechildrenstories.com/>

Randomly generates 356,300,262,144 story starters
<https://thestorystarter.com/>

Science

Mystery Science
<https://www.mysteryscience.com>

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

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

Biology
<https://www.biologysimulations.com/>

Daily free science or cooking experiment to do at home
<http://www.clubscikidzmd.com/blog/>

Chemistry
<https://www.playmadagames.com/>

Interactive video earth science based curriculum supplement
<https://www.everyday-earth.com/>

80+ do at home science activities
<https://elementalscience.com/.../n.../80-free-science-activities>

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/>

Tons of science experiments that you can do at home

<https://www.stevespanglerscience.com/lab/experiments/>

Just explore, have fun, and learn some science along the way

<https://thehappyscientist.com/>

Space

Explore the surface of Mars on the Curiosity Rover

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

Space science for kiddos

<https://www.nasa.gov/kidsclub/index.html>

Spelling

Spellingcity is free right now with code VSCFree90

<https://www.spellingcity.com/>

Spelling Years 1-4

<https://www.spellingtraining.com/>

Talking to children about coronavirus

<https://www.bps.org.uk/news-and-policy/bps-highlights-importance-talking-children-about-coronavirus>

<https://www.bps.org.uk/sites/www.bps.org.uk/files/Policy/Policy%20-%20Files/Talking%20to%20children%20about%20coronavirus.pdf>

<https://www.bps.org.uk/sites/www.bps.org.uk/files/Policy/Policy%20-%20Files/Coronavirus%20and%20UK%20schools%20closures%20-%20support%20and%20advice.pdf>

Travel

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>

Typing and Writing Skills

Improve your typing skills while competing in fast-paced races with up to 5 types from around the world
<https://www.nitrotype.com/>

Online curriculum that builds better writers – need to register
<https://www.noredink.com/>

Teaches students how to write a paragraph through interactive online tutorial
<http://www.paragraphpunch.com/>

Keyboarding practice
<https://www.typingclub.com/> or <https://www.typing.com/>

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