

PEN Resource Page – Sorted by Subject Area

BRAINTEASERS

SET DAILY GAME

<https://www.setgame.com/set/puzzle>

<https://www.nytimes.com/puzzles/set>

BOGGLE

<https://www.boggle.online/>

CIRCUITS

<http://www.puzzlebaron.com/portfolio-item/circuits/>

LOGIC PUZZLES

<http://www.puzzlebaron.com/portfolio-item/logic-puzzles-org/>

TIC TAC LOGIC

<http://www.conceptispuzzles.com/index.aspx?uri=puzzle/tic-tac-logic>

HASHI

<http://www.conceptispuzzles.com/index.aspx?uri=puzzle/hash>

[Prufrock Press Critical Thinking e-book](#) – A free resource from one of my favorite publishing companies that offers a variety of critical thinking pages.

DAILY SUDOKU

<http://www.dailysudoku.co.uk/sudoku/kids/>

NINE MEN'S MORRIS

https://www.mathplayground.com/logic_nine_mens_morris.html

CHESS KID

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

SHARP BRAINS PUZZLES

<http://sharpbrains.com/brainteasers/>

ELA – Reading & Writing

FREE AUDIBLE!

<https://stories.audible.com/start-listen>

[WRITING WITH RALPH](#) – *Ralph Fletcher*, author of *Flying Solo* and *Hello Harvest Moon* among many other children's books, and advocate for teaching students the joy and craft of writing (and my favorite author) recorded a series of youtube videos for children to enhance their writing skills. Check out his "Writing with Ralph" sessions.

COMIC CREATOR

<http://www.readwritethink.org/files/resources/interactives/comic/>

NEWSELA – high-interest articles on a variety of reading levels

https://newsela.com/about/solutions/ela/?utm_source=google&utm_medium=paid-search&utm_campaign=DMG-OA-2020-Q1-Monarch-DEG&utm_content=nonoffer&program_theme=ELA&gclid=Cj0KCQjwybD0BRDyARIsACyS8mslZ6vLzNDY5hDlOqPhRtrgLI6fYcugZBdzvQIO6rXibyz2NDKXCW8aAu5BEALw_wcB

STORIUMEDU – a collaborative writing game for students of all ages that builds lasting confidence and skill.

<https://storiumedu.com/>

CODE.ORG – Learn computer coding through a variety of computer code activities

<https://code.org/>

LAUNCHBALL – Can you use the right tools in the correct combination to launch the ball into the goal?

<http://www.sciencemuseum.org.uk/launchpad/launchball/>

PBS – ZOOM – Check out these science experiments/design challenges

<https://why.pbslearningmedia.org/collection/zoom/>

ED HEADS – FREE SCIENCE SIMULATIONS:

Nano Start Up: <https://edheads.org/page/Nanostartup>

Manufacturing Technician: https://edheads.org/page/manufacturing_L

[Maker Station Challenges](#) – great for some hands-on engineering challenges!

[30 Days of LEGO Play](#) – for the LEGO lovers! Try these varied LEGO builds!

[Mystery Doug](#) – Awesome science videos and experiments geared toward elementary-age kids. I usually show these in PEN to my primary kiddos. They have opened full free access to all videos/experiments to be viewed/used at home!

[Imagineering in a Box](#) – Khan Academy and Disney have joined forces to create a series of self-guided lessons/activities to become an Imagineer!

[STEM Activities](#) – a collection of STEM activities from The National Inventors Hall of Fame.

[Franklin Institute@ HOME](#) – We can't visit the Franklin Institute right now, but we can access great science explorations for home!

[PhET Simulations](#) – free Math and Science simulations and games to learn about a large variety of math and science topics.

[Smithsonian Museum Virtual Tour](#) – Take a virtual tour of the museum's exhibit to learn about natural history.

NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH (KID'S PAGE)

<http://kids.niehs.nih.gov/games/riddles/index.htm>

Math

NCTM – Problem of the Week

<https://www.nctm.org/pows/>

MATHWIRE:

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

MATH-RELATED BRAINTEASERS:

<https://www.coolmath4kids.com/brain-teasers>

KRAZYDAD MATH PUZZLES ETC

<https://krazydad.com/>

OPEN MIDDLE PROBLEM SOLVING – ALL GRADES

<https://www.openmiddle.com/equivalent-ratios-2/>

CREATE A GRAPH

<http://nces.ed.gov/nceskids/createagraph/default.aspx>

MATH PLAYGROUND

http://www.mathplayground.com/spaceracer_multiplication.html

A PLUS MATH

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

COOL MATH 4 KIDS

<http://www.coolmath4kids.com/>

General

BRAINPOP – <https://www.brainpop.com/>

KHAN ACADEMY – a free resources for students, parents, and teachers to learn and master skills from a variety of levels and disciplines. Their resources include tutorial videos, quizzes, and real time feedback! This link will take you to a page designed specifically for supporting parents in getting kids set with with Khan Academy for this time of school closure.

EXTENSION MENU – taken from the Massachusetts Association for Gifted Education, this extension menu guides students through the process of designing their own higher-level extension project for any curricular topic.

TED TALKS FOR KIDS – This is exactly what it sounds like – inspirational and thought-provoking talks for kids

CARNEGIE MELON RESOURCES

<https://www.cmu.edu/gelfand/educational-resources.html>

FUN BRAIN

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