**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/hashi>

[**Prufrock Press Critical Thinking e-book**](http://www.prufrock.com/Assets/ClientPages/pdfs/Thinking-Skills-Activities.pdf) *-* 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**](https://www.youtube.com/watch?v=uEgyC6oeXl4) - *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=Cj0KCQjwybD0BRDyARIsACyS8msIZ6vLzNDY5hD10qPhRtrg116fYcugZBdzvQlO6rXibyz2NDKXCW8aAu5BEALw_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://whyy.pbslearningmedia.org/collection/zoom/>

**ED HEADS - FREE SCIENCE SIMULATIONS:**

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

Manufacturing Technician: <https://edheads.org/page/manufacturing1>

[**Maker Station Challenges**](https://www.cbsd.org/cms/lib/PA01916442/Centricity/Domain/1484/MAKER%20STATIONS%20HOME%20PACK.pdf)- great for some hands-on engineering challenges!

[**30 Days of LEGO Play**](https://thatbricklife.com/wp-content/uploads/2020/03/LEGO30daysofplay.pdf) - for the LEGO lovers!  Try these varied LEGO builds!

[**Mystery Doug**](https://mysteryscience.com/) - 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**](https://www.khanacademy.org/humanities/hass-storytelling/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**](https://www.invent.org/blog/stem-activities) - a collection of STEM activities from The National Inventors Hall of Fame.

[**Franklin Institute@ HOME**](https://www.fi.edu/franklin-at-home) - We can't visit the Franklin Institute right now, but we can access great science explorations for home!

[**PhET Simulations**](https://phet.colorado.edu/) - free Math and Science simulations and games to learn about a large variety of math and science topics.

[**Smithsonian Museum Virtual Tou**](https://naturalhistory.si.edu/visit/virtual-tour)r - 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**](https://khanacademy.zendesk.com/hc/en-us/articles/360040167432-How-can-Khan-Academy-be-used-for-remote-learning-during-school-closures-) - 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**](https://ed1cb01a-7a86-4f33-84af-4777f695715c.filesusr.com/ugd/3250d1_ae9ff8a573a044e3ad9179ace3080a71.pdf) - 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**](https://www.ted.com/playlists/86/talks_to_watch_with_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/>