

## 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>

**[Profrock 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](https://www.mathplayground.com/logic_nine_mens_morris.html)

#### CHESS KID

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

#### SHARP BRAINS PUZZLES

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

#### BRAINTEASERS-ASSORTMENT OF PUZZLES AND BRAINTEASERS

<https://www.puzzles-to-print.com/printable-brain-teasers/matchstick-puzzles.shtml>

### 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=Cj0KCQjwybD0BRDyARIsACyS8mslZ6vLzNDY5hD10qPhRtrg116fYcugZBdzvQIO6rXibyz2NDKXCW8aAu5BEALw\\_wcB](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=Cj0KCQjwybD0BRDyARIsACyS8mslZ6vLzNDY5hD10qPhRtrg116fYcugZBdzvQIO6rXibyz2NDKXCW8aAu5BEALw_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/manufacturing1>

**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](http://www.mathplayground.com/spaceracer_multiplication.html)

**A PLUS MATH**

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

**COOL MATH 4 KIDS**

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

**PROJECT M3**

[https://gifted.uconn.edu/projectm3/m3\\_students\\_activities/](https://gifted.uconn.edu/projectm3/m3_students_activities/)

**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/>

**HOAGIES GIFTED**

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

**CURIOSITIES AND PUZZLEMENTS**

<https://www.puzzlements.co/>

**A GUIDE TO THE WORLD'S HIDDEN WONDERS**

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

**CURIOSITY: OFFBEAT ADVENTURE-AMAZING PLACES-MIND&BODY-PERSONAL GROWTH-PUZZLES&QUIZZES-SCIENCE&TECHNOLOGY**

<https://curiosity.com/>