

Any button below links directly to the page containing the specified type of enrichment resources.



Logical Reasoning



Creative Thinking



Research/Exploration



Language Arts



Math



Science



Social Studies



The Arts

# Enrichment Resources Grades 6-8

 **krazydad**

Attempt thousands of free mazes, logic, sudoku, and kakuro puzzles – among others. All puzzles are printable.

 **SET**  
ENTERPRISES INC.

Try your hand at the New York Times' daily SET puzzles. How many sets can you find?

 **brainzilla**

Check out these logic puzzles, word games, tangrams, and much more. Have fun exercising your brain.

Breakout EDU  
**FUN@HOME**

Breakout EDU has put together a collection of digital breakout games that may be played at home. Choose from a list of age appropriate games and put on your thinking cap. Just as in real-life escape rooms, it's essential players make careful observations and put clues together to draw logical conclusions.



Tackle or compete in solving a wide variety of puzzle types. Puzzles available here or via Puzzle Baron's apps.

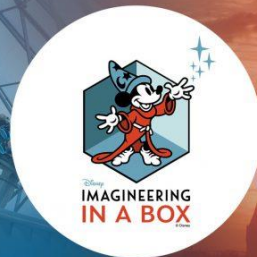
# Logical Reasoning

Photo by [Gabriel Crismariu](#) on [Unsplash](#)

**JOHN  
SPENCER**



Design a city in the sky, underground civilization, drone delivery system, arcade game, and more. Check out John Spencer's Maker Challenges.



Explore character and ride development with Disney and Khan Academy as you design your own theme park.



Creativity and mathematics collide as you explore filmmaking and animation with Pixar and Khan Academy.



Jarrett Lerner

Choose to finish a comic, create your own, tackle a creative writing prompt, or engage in a number of special activities presented by creative mind and author, Jarrett Lerner.



Join creative minds across the globe in recreating Getty artworks--using only everyday household items.

# Creative Thinking

# TED Ed

TED is a non-profit focused on spreading ideas through short talks given by people in all disciplines and from all cultures. Consider joining students all over the world by producing your own talk with "ideas worth spreading".



Tour famous museums around the world from your own home.



Have a rainy or otherwise dull day? Consider a Wonder Day project. John Spencer guides you through investigating questions you probably won't answer in school.

## THIS IS YOUR CHANCE TO SHOW YOUR GENIUS

John Spencer will inspire and guide you through getting started with your own Genius Hour. What are your geeky interests? What will you explore, learn, or create?



Download the Google Expeditions app and explore the world through virtual and augmented reality.

# Research/Exploration

Photo by [Andreas Chu](#) on [Unsplash](#)



Learn how to create book spine poetry—not poetry you write, but poetry you find. Read this post by Marquette University staff member Lisa Mazzie and consider creating your own.



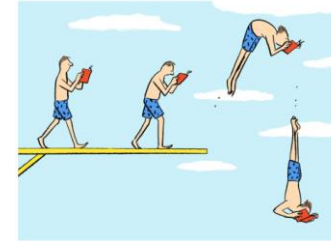
**duolingo**

Learn a language—for free. Play games, earn points, and start new levels as you master vocabulary and skills.

## TELL THE STORY

Check out these creative writing prompts from John Spencer. The various video prompts will make you think.

CONTESTS  
*The 11th Annual New York Times  
Summer Reading Contest*



The NYT Learning Network challenges you to become more aware of the world, explore sophisticated non-fiction, and write for an audience. Join this contest, and you may see your thoughts published. Unlimited articles are available to students on any device for \$1 a week.




Hoagies provides reading lists for gifted individuals of all ages. Find a wide variety of topics by interest, gender, and social-emotional issues.

# Reading/Language Arts

Photo by [Aaron Burden](#) on [Unsplash](#)

Our Brains Think  
about Math Visually



**youcubed**  
at Stanford University

Explore math problem-solving tasks, many of them brainteasers, by grade level. All necessary resources and instructions are provided.



Erich Friedman, retired Math professor, shares a unique "Math Magic" problem each month. Browse the archives, current and dating back more than 20 years.



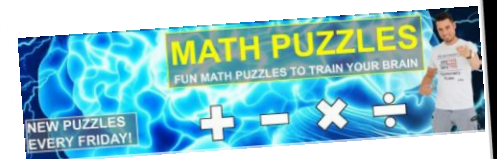
**Figure This!**  
Math Challenges for Families

Figure This!, sponsored by the NSF and US DOE, provides math challenges that include real-world connections, hints, solutions, questions to think about, and further resources. How many can you solve?



**WOLFRAM**  
COMPUTATION MEETS KNOWLEDGE

Wolfram/Alpha presents famous math problems, solved and unsolved. Some theories were disproven after hundreds of years, and some remain unsolved. Enjoy exploring these problems.



Check in each week for a new puzzle to challenge your mathematical reasoning. These are sure to make you think. All solutions are provided and explained.

# Mathematics

Photo by [Matt Artz](#) on [Unsplash](#)

## PHENOMENA FOR NGSS

Creating the Next Generation of Student Engagement

Engage in a 30-day science challenge and explore the world around you. Can you find, observe, or investigate the 30 items provided on this NGSS Phenomena site?



It's Okay to be Smart is a YouTube channel of “really cool” science videos and is hosted by Joe Hanson. View hundreds of videos on a wide variety of science topics, including those within biology, food science, astronomy, physics, earth science, ecology, and more.



View NASA video clips to learn more about astronomy and earth science topics, focused on the real-world mathematics that's involved.



Engage with articles, videos, and hands-on simulations and activities in biology, ecology, earth science, geography, physical geography, or social studies. Search resources by grade level and content area.



Science Journal for Kids provides hundreds of scientific articles that are peer-reviewed and adapted for kids. Filter articles by reading level and scientific field. There's much to explore.



Check out these games created for middle and high school students. Run a law firm and test your knowledge of constitutional rights, prepare to vote, or run your own presidential campaign. Or, consider fighting hidden ads, viral deception, and false reporting as a NewsFeed Defender.



Smithsonian  
Learning Lab

The Smithsonian Learning Lab features a collection of more than 1000 'labs' related to middle school Social Studies. Enjoy browsing collections related to topics of interest.



GeoGuessr requires an account to play, but users may play one free game every day. As a family, enjoy exploring locations of cities and famous places all over the world.

KQED  
YOUTH MEDIA  
CHALLENGE

LET'S  
TALK  
ABOUT



You may not yet be old enough to vote, but that doesn't mean you don't have opinions on national issues. What do you want to tell the rest of the country about issues that will affect your future? Consider creating and submitting brief commentary in the form of podcast, video, narrated slideshow, or original animation.



Explore the UN Sustainable Development Goals created in partnership with Unicef. Consider one or more of the student actions provided on topics such as poverty, economic growth, education, or equality.





Create your own music with Google Chrome's Music Lab. Add notes by clicking a grid and share songs with a link. Experiment with different instruments, tempos, scales, and ranges.



Explore highlighted art collections, by category, or by time and color. Scroll to the bottom to view popular topics. Parental guidance is recommended.



Pro Audio Essentials is a game-based course for music producers to practice and improve audio skills. Explore equalization, compression, and digital audio basics.

## the ART ASSIGNMENT

The Art Assignment is a PBS video series that introduces you to innovative artists, gives you assignments, and explores art history through the lens of the present. Browse assignments. Then, watch the videos and complete the assignments that interest you.



Read about several photo competitions major companies provide for children. Basic information and links are provided.