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**Enrichment Resources**

**Grades 6-8**

Photo by [Caleb Jones](https://unsplash.com/@CalebJones) on Unsplash
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.

Logical Reasoning
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.

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

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

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

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

Photo by Sharon McCutcheon on Unsplash
Bellows College

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.

Research/Exploration

Tour famous museums around the world from your own home.

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”.

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.

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

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?

Photo by Andreas Chu on Unsplash
Learn a language—for free. Play games, earn points, and start new levels as you master vocabulary and skills.

The NYT Learning Network challenges you to become more aware of the world, explore sophisticated nonfiction, 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.

Tell the Story

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

Hoagies provides reading lists for gifted individuals of all ages. Find a wide variety of topics by interest, gender, and social-emotional issues.
Explore math problem-solving tasks, many of them brainteasers, by grade level. All necessary resources and instructions are provided.

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/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.
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.

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.

National Geographic Learning

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.

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

Photo by Jeremy Thomas on Unsplash
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.

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.

KQED Learn is a free platform for middle and high school students to tackle big issues and build their media literacy and critical thinking skills in a supportive environment. Join a Youth Media Challenge to engage student voice and choice and foster civic engagement.

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.

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.

Photo by Woubishet Z. Taffese on Unsplash
Explore highlighted art collections, by category, or by time and color. Scroll to the bottom to view popular topics. Parental guidance is recommended.

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.

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

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.

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

Photo by Spencer Imbrock on Unsplash