



THE GRANITE WAY!

HIGH ABILITY AND BEYOND

Strategies for Challenging High Ability Learners

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Cross-Curricular Online Platforms

- The San Diego Zoo Academy is providing eight weeks of [complimentary animal species online learning modules](#).
- MIT's [Full STEAM Ahead project](#) curates existing STEAM resources for K-12, higher education, and workforce learners, including a weekly package of relevant materials for K-12 students and teachers.
- Education.com is providing free access to [some of its best resources](#) during school closures, including printable workbooks, independent learning worksheets, games, activities, songs, stories and exercises.
- Time for Kids has opened up [all of its 2020 content](#), including teaching materials, its entire digital library, and teaching tools utilizing Time for Kids Magazine.
- Renzulli Learning is opening [its remote elearning platform](#) for free for rest of year. Create individualized, highly engaging learning opportunities to help students at higher levels, with adaptations for those who are not.
- The [You Can Do the Rubik's Cube Program](#) offers free, downloadable K-12 lessons written by teachers and tested in the classroom. Available in multiple languages.
- The New York Times [Learning Network vertical](#) hosts lessons across subjects and current events using the Times multimedia content.
- [Scholastic's Learn at Home program](#) includes immersive day-by-day projects to keep kids reading, thinking, and growing.
- Hand2Mind hosts [daily activity and lesson plans](#) for grades K-5.
- [The Smithsonian's children's website](#)
- [Kids Discovery](#) is a cross-curricular learning platform for elementary and middle school children, with access to more than 2,000 visually stunning science and social studies articles.
- IXL hosts [personalized curriculum for teaching and self-learning](#), including a searchable index.
- The National Endowment for the Humanities hosts an impressive collection of [lesson plans and teacher's guides](#).
- Super Charged School features [lesson plans and activities](#) taught by educators covering several subjects.
- [Education.com](#) provides open access to resources for students in pre-K through 5th grade, with printable lessons and guided instruction.
- Khan Academy offers [helpful daily learning schedules](#) for kids ages 4-18.
- Baltimore City Schools has published [learning packets for pre-K through 12th grade](#), as well as gifted and advanced learning materials.
- The Compton Unified School District also has [learning packets for pre-K through 12th grade](#).
- Kerens Independent School District has published [printable learning packets](#) for grades K-5.
- Albert.io features [105 tools for distance learning](#) that are perfect for educating kids in the home.

Math and Science

- The NROC Project's HippoCampus.org features more than 7,000 educational videos in 13 subject areas.
- [Ology](#), a science website for kids from the American Natural History Museum, features hands-on activities, stories, games, and videos across multiple science subjects.
- Fizzics Education hosts [more than 150 free science experiments](#) for older students.
- The Crash Course provides [15 free courses](#), ranging from the humanities to the sciences, meant to accompany high school and college level classes.
- The free [Seek app](#), by iNaturalist, uses image recognition to help kids learn more about the plants and animals around them.
- The American Chemical Society provides a host of [free chemistry education resources](#) for elementary through AP/undergrad students.
- Science Buddies, an award-winning educational nonprofit, [hosts more than 1,200 free science experiments and activities](#), from astronomy to zoology.
- [Skype a Scientist](#) invites parents and kids to connect directly with scientists volunteering their time for fun, educational Q&A conversations.
- The James Dyson Foundation's [Challenge Cards](#) are designed by engineers to get young minds excited about engineering.
- The Art of Problem Solving's Alcumus is a [free online learning experience](#) featuring more than 13,000 math problems. The program's problems and lessons are specifically designed to provide high-performing students with a challenging curriculum appropriate for their abilities.
- Carolina Biological Supply Company's [Building Blocks of Science program](#) is home to free science lesson and activity plans for K-5 students.
- Mystery Science hosts [free, open-and-go lessons](#) that inspire kids to love science.
- The Exploratorium has [fun, timely science topics and interactive activities](#) under "Science Snacks."
- NASA has pulled all of its activities, DIY projects, virtual tours, and more into a single repository, [NASA at Home](#).
- NASA hosts [a ton of fun STEM activities](#) to do at home for grades K-12.
- Innerbody's [interactive human anatomy systems](#) includes more than 1,000 interactive body maps.
- Science News for Students has [free resources for learning at home](#).
- Math Celebrity provides [instant help to solve math problems](#) with detailed tutorials.
- The Monterey Bay Aquarium has [fantastic pre-K through 12th grade curriculum and resources](#) related to aquariums and animals.
- Steve Spangler's [experiment library](#) is a collection of at-home science experiments for grades K-12.
- The CK-12 Foundation hosts [science, math, social studies, and photography learning activities](#) for K-12 learners.

History

- Ancestry.com's AncestryK12 program is home to [free history lesson plans](#), including subjects such as the American Revolutionary War, the War of 1812, WWI and WWII, the 1940 Census, and more.
- The Natural History Museum of Utah hosts [free middle school supplemental science instruction](#).
- The National Archives' [DocsTeach](#) hosts activities for all learning levels using documents from the National Archives. Search by historical era, thinking skill, activity type, or grade level.

Reading and Writing

- **New:** Free for limited time, [Sir Linkalot](#) hosts animated videos and quizzes to help students of any age with spelling, punctuation, and grammar.
- Big Universe's [free digital reading platform](#) hosts more than 17,000 free social studies and language arts ebooks for students in grades K-12.
- CommonLit hosts a [free collection of fiction and nonfiction texts](#) for 3rd-12th grade classrooms. Search and filter their collection by lexile, grade, theme, genre, literary device, or common core standard.
- National Novel Writing Month has published a [trove of K-12 language arts curriculum](#), including lesson plans, student workbooks, classroom kits, and more.
- Audible hosts [free stories for kids of all ages](#), including audio titles in six languages.
- Read Print is home to [thousands of free books](#).
- Poets.org hosts [materials for learning or teaching poetry](#), like lesson plans, essays, and more.
- The World Digital Library provides [open access to thousands of books, documents, and photography](#) from various countries and cultures.
- Classroom Cereal provides [grammar practice](#) in the form of free, printable short stories.

Music and the Arts

- Art teacher Caroline Velazquez has published a [wonderful Google Doc](#) virtual museum field trips, art contests and games, and educational resources to help kids stay creative from the couch.
- These 12 famous museums offer [virtual tours](#) that you can take from the comfort of your couch (or pillow fort).
- Kid Art makes teaching art easier with [lessons for kids in grades pre-K through 8](#).
- The National Gallery of Art's [Kids Art Zone](#) hosts activities that focus on introduction to art and art history.
- Learn how to play and create music with [virtual musical instruments](#).
- Google Arts & Culture includes [immersive features on famous cultural sites, artists, and pop culture](#).
- Music Theory hosts some of our favorite [free music lessons](#), including note and chord construction and identification, interval training, and more.
- [Learn how to draw and doodle](#) with Kennedy Center Education Artist-in-Residence Mo Willems during his Lunch Hour Doodles.
- The Metropolitan Opera [streams a title from its Live in HD series](#) each night while it remains closed.
- The Museum of Modern Art offers [customizable and downloadable resources](#) for teaching art, including self-guided learning.

Other Educational Resource Round-ups

- **New:** A teacher resource for typically for classroom use. Kialo is a free platform for hosting debates online.

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- **New:** [Highlights at Home](#) offers free weekly content bundles designed to help build happy memories, including puzzles, stories, videos, games, and physical activities which can be done alone or with families.
- [GoPeer](#) matches families with qualified college undergrads from top-tier universities for K-12 tutoring.
- [Explore the The International Spy Museum virtually](#) and download some fun spy-based activities and lesson plans.
- Sage Publishing, the textbook/educational book publisher, is providing [free resources to help you transition to teaching online](#), including free access to textbooks, learning management system resources, and more.
- Amazon's [Future Engineer program](#) is home to a round-up of free robotics, computer science, and coding courses for kids.
- Tynker, an award-winning coding platform for kids 5 and up, is opening its [premium coding courses, challenges, and tutorials](#) for free during school closures.
- The Amazing Educational Resources Facebook Group has published a [Google Doc](#) containing a comprehensive list of education companies offering free subscriptions due to school closures.
- Class Central has [more than 450 free classes](#) from Ivy League schools.
- Cambridge University is offering [free access through May 2020](#) to higher education textbooks, including 58 textbooks in language and linguistics.
- The National Park Service offers [immersive virtual tours](#) of the nation's National Parks.
- This [Principal's List of Things to Do During COVID Closures](#) is going viral for all the right reasons.
- The Texas Association of Gifted and Talented has published a [special set of resources](#) to help out parents while schools are closed.
- Explore this list of [35 useful remote learning resources](#) from Lucky Learners.
- Check out this list of [37 free educational resources](#) kids can use at home by Macaroni Kid.
- Our friends at Educational Insights host a [number of great activities](#) for your little learners.
- Check out these [math activities and lesson plans](#) by Youcubed, a free K-12 math resource from Stanford University's Graduate School of Education.
- Curriculum Associates has curated a fantastic list of [activities for children and their parents](#).
- Prepare for [distance learning](#) with Newsela, an instructional content platform.
- ABCmouse.com, an early learning academy, hosts [online curriculum for kids ages 2-8](#).
- Explore this comprehensive [list of subjects and learning resources](#) put together by the Kentucky Gifted Association.

Educational Games

- The [Minecraft Education Edition](#) is available free through June 20, including a remote learning toolkit, more than 50 STEM lessons, and project-based learning activities.
- Go Noodle features [videos and games](#) created by a team of child development experts designed to get your little ones moving.
- Arcademics helps boost student engagement and fact fluency with [free multiplayer educational games](#) that focus on academics.
- Nitro Type hosts fun [real-time, worldwide typing competitions](#). Parents can set up a "classroom" and monitor their kids through a teacher's portal.


