Science...Technology...Engineering...and Math Resources
Shared by NDS Former Faculty Mr. Mack

*STEM Activity Website Resources....fun and easy to find ideas to roll out at home!
-The Ultimate STEM Guide for Kids: 239 cool STEM sites....try to use them all....I dare you!
https://www.mastersindatascience.org/blog/the-ultimate-stem-guide-for-kids-239-cool-sites-about-science-technology-engineering-and-math/
-BabbleDabbleDo....connecting through creativity
https://babbledabbledo.com/
-NASA Learning Space...tons of great resources including .pdf printouts for activities!
https://www.jpl.nasa.gov/edu/learning-space/?utm_source=iContact&utm_medium=email&utm_campaign=nasajpl-edu&utm_content=edunews_20200320

*Podcasts: enjoyable way to add adventure to a drive, family time hanging out OR giving students well deserved "solo" time w/their device and earbuds!
-Steps to access podcasts on iPhone: (On Android go to Google Play and download a Podcast App first...then use the podcast app to access the following apps)
#1 Open you "podcast" app that is built into your iPhone
#2 Select "Search" and look for the following OR any podcasts!
*Tumble: science podcast for kids
*Brains On!
*Geology Rocks by Fun Kids
*Fun Kids Science Weekly

P.S. There is no end to genres of kids podcasts:
Ex: "The Past...The Curious" history podcast for kids...

*Apps for Tablets/Phones: screen time that is fun AND grows our brains!
-Steps to access these and any Apps on your tablet/phone:
#1 Open the App Store or Google Play
#2 Search for App of your choice and download...then enjoy!
-Great Apps:
*Brain It On....physics games
*Shatterbrain...physics games
*Look up "STEM Apps for Kids" in the App Store/Google Play and select from tons of paid Apps
*Follow Link Below to find list of Top STEM Apps for kids:
https://www.educationalappstore.com/best-apps/stem-apps-for-kids

-Two Amazing STEM Collaborations Between Kahn Academy and Pixar Studios AND Disney Imagineering!
*Pixar in a Box (Grades 6-12): is a behind-the-scenes look at how Pixar artists do their jobs. You will be able to animate bouncing balls, build a swarm of robots, and make virtual fireworks explode. The subjects you learn in school — math, science, computer science, and humanities

— are used every day to create amazing movies at Pixar. This collaboration between Pixar Animation Studios and Khan Academy is sponsored by Disney.
https://www.khanacademy.org/partner-content/pixar

*Disney Imagineering in a Box (Grades 6-12):Disney's Imagineering in a Box allows you to explore different aspects of theme park design, from characters to ride development. Get ready to bring your own magic as you design a theme park of your very own!
https://www.khanacademy.org/humanities/hass-storytelling#imagineering-in-a-box

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-Santa Barbara Museum of Natural History's "SBNature From Home" website: includes outdoor/indoor activities as well as really nice coloring pages to print off for younger ones....scroll to the bottom of the page and follow link to live webcams from the Channel Islands and enjoy underwater views....eagles nests...Mt. Diablo views....
https://sbnature.org/visit/sbnature-from-home

-Smithsonian Institute Science Education Center:
*An array of fun opportunities...scroll...explore...find your own treasures! (6 pages of apps + activities + videos)
https://www.ssec.si.edu/explore-our-curriculum-resources?f%5B0%5D=field_is_free%3A1

*Highly recommend is the new free app called Tami's Tower.....geared towards K-2 students...but older kids will enjoy as well...students use polygons to build successively more challenging structures for a monkey to climb to reach the fruit.

For More.....Search for "STEM Apps for Kids" in the App Store/Google Play and select from tons of free and paid Apps!
*Follow Link Below to find list of Top STEM Apps for kids:
https://www.educationalappstore.com/best-apps/stem-apps-for-kids

Super Fun Free Computer Coding....game based blockley coding that is phone, tablet, and desktop friendly):
*code.org (Parents can use an email address to create a private coding account so that all student progress is saved)
*hourofcode.org (No log in required BUT progress is not saved)
*https://scratch.mit.edu/
*https://www.scratchjr.org/ (App for tablets only-great for introduction before moving up to scratch)
-Smithsonian Institute Science Education Center:
*An array of fun opportunities...scroll...explore...find your own treasures! (6 pages of apps + activities + videos)
https://www.ssec.si.edu/explore-our-curriculum-resources?f%5B0%5D=field_is_free%3A1