AT-HOME ACTIVITIES FOR KIDS

The state 4-H team has compiled a list of at-home learning opportunities. This list can also be found at purdue.ag/4hhomeactivities. As you know, there are hundreds of lessons and activities that can always be found on the state 4-H website and the Intranet. Some of this list will be a reminder and some items will be supplemental as (you've no doubt seen) many community partners are creating special opportunities to support families and communities during social distancing. It's been amazing to see the rush of creativity 4-H Youth Development has demonstrated in order to continue serving families and communities! Keep up the great work!

All Program Areas
- 4-H STEM Lab is a list of activities that can be filtered by topic and grade level: https://4-h.org/parents/stem-agriculture/youth-stem-activities/
- https://totallythebomb.com/heres-33-national-park-tours-you-can-take-virtually-from-the-comfort-of-your-home
- Texas 4-H is hosting a Facebook Live series: https://www.facebook.com/texas4h/photos/a.10150239304904564/10157827633229564/?type=3&theater
- Resources from 4-H Military Liaisons: https://extension.wsu.edu/king/learning-links-4-h-and-more/

Animal Science
- ExtensionHorses.org is offering several of their online courses for free for at least 30 days: https://www.facebook.com/ExtensionHorses/posts/3202221603123651
- Purdue Extension Women in Agriculture is hosting a pasture and hay field renovation webinar on March 31st. Great for adults and high school aged youth. Register here: https://tinyurl.com/y83ma4k4. If you can't view the webinar live, please consider registering to receive a link to the recording.
- The American Dairy Association has posted virtual farm tours organized by grade level: http://origin.americandairy.com/news-and-events/dairy-diary/dairy-farming/virtual-farm-tours-while-youre-stuck-at-home.stml
- Purdue Veterinary Medicine is producing daily activities for grades K-3 via Facebook: https://m.facebook.com/PurdueVeterinaryMedicine/
- Lots of Animal Science activities are available on the state 4-H website: https://extension.purdue.edu/4h/Pages/AnimalScienceVolunteerResources.aspx
- Michigan State University has a collection of "Animal Science Anywhere" activities: https://www.canr.msu.edu/resources/4_h_animal_science_anywhere
- The Cincinnati Zoo is hosting Home Safaris via Facebook Live: https://www.facebook.com/cincinnatizoo/
- Iowa State University is in the process of creating an online module system called Animal U. It will be open for free for about one month for anyone to go in and play around with it: https://www.extension.iastate.edu/animalu/
- Coming Soon: State Line Tack will be hosting a free online horse show series
- Coming Soon: Indiana 4-H – Animal Science webinar series! Check out the Indiana 4-H Facebook for more information!!

Computer Science
- www.hourofcode.com is a gateway to a multitude of resources, most of them are free. Many of them use Blockly or Scratch, which are block based programming tools that are designed for young people to "think like a computer scientist".

- www.scratch.mit.edu is a block based program created by MIT and was the first to create a path for young people to learn computer science. There are a lot of videos and tutorials out there that make it easy for young people to learn without a lot of adult support.
- https://csfirst.withgoogle.com/s/en/home is well thought out curriculum that uses Scratch to teach computer science concepts to youth. 4-H has partnered with Google and some of this curriculum has been directly created by national 4-H.
- www.code.org is the organization that hosts the Hour of Code, but has also developed an incredible curriculum for beginners all the way up to JavaScript, Python, Java, SQL, and more. It is very well done and has a lot of support.
- www.trinket.io is an online interface with some curriculum in Python2, Python3, Python Turtle, R, HTML and Java. It is free and well done, but more for a self-starter who needs a flexible interface to develop their ideas. Essentially it's for older youth who have developed ideas.
- www.pythoninstitute.org is a very well written course that goes in depth on how to create in Python3. Currently the best Python curriculum I've found to date. It is written so high school age youth and dedicated middle school youth will enjoy it.

Engineering and Technology
- www.tryengineering.org has been doing STEM since 1998. Give them a try during your time at home.
- www.tachengineering.org has STEM activities for all ages and levels of expertise. Their lessons are always free.
- Use "stuff" around the house to teach STEM to your kids. www.arvindguptatoys.com/toys.html helps you make Toys from Trash in hundreds of subject areas.

Healthy Living
- 4-H Kids Guide to Mindfulness: https://4-h.org/about/blog/inspire-kids-to-do-kids-guide-to-mindfulness/
- Mindful Moments from Cornell University (coloring): http://cceorangecounty.org/4-h-youth/mindfulness-moments
- Square breathing: http://kidsrelaxation.com/uncategorized/the-deep-breath-box-square-breathing/
- Breathing exercises: https://copingskillsforkids.com/deep-breathing-exercises-for-kids (this one has tons of information!!)
- Sleep: https://kidshealth.org/en/teens/how-much-sleep.html