

STEM RESOURCES

Bentonia Gibbs Elementary



STEM and Makerspace

1. CyberChase (PBS Kids)

Join the cybersquad. Good guys only, please. PBS Kids show CyberChase offers a range of online resources for future CISOs, including activities and games geared toward learning math, code, and similar concepts.

2. NASA Kids Club

Want to build a rocket? Have at it -- and plenty of other space-related projects and activities -- with the NASA Kids Club.

3. Code.org

Backed by some of the biggest names in tech, Code.org's stated mission is to grow computer science learning by fostering its inclusion in school curriculums. In addition to its Hour of Code series, the site also features an Intro to Computer Science course for K-8, programming tutorials in languages such as Python and JavaScript, mobile app development activities, and other resources.

4. Engineering, Go For It (eGFI)

Created by the American Society for Engineering Education, eGFI's aim is to foster educational and pre-professional interest in engineering and other STEM subjects from kindergarten through high school. In addition to information on the myriad branches of the engineering field -- from biomedical to computer to mechanical and beyond -- the site features descriptions of professional paths for each, including profiles of real people at work in the field.

5. CS Education Week's "unplugged" programs

No computer? No problem, at least once you've downloaded the lesson plan for My Robotic Friends or another "unplugged" activity. My Robotic Friends, as with other unplugged programs, teaches coding, debugging, and related concepts without actually using a computer, which could be handy for schools and homes working with tight budgets and outdated PCs. The CS Education Week website features six unplugged activities.

6. Kinetic City

Budding scientists of all stripes will dig Kinetic City's collection of science projects, experiments, and educational games -- including activities that pull the young scientist away from the screen. Do you or your children have your own favorites? Share them with us in the comments.

7. National Geographic Kids-<https://kids.nationalgeographic.com/>National Geographic Kids is a visually impactful website that entices kids to explore their world. National Geographic is known for its awe-inspiring photography, cinematography, and storytelling. Their STEM website for kids certainly delivers. The main focus of the site is

animals- their appearance, behaviors, foods, and habitats. Each page offers further opportunities for your child to expand their knowledge about each creature and the world around them. There are countless videos that round out the site and some that are even entire episodes focusing on the natural world. Some of the more interactive components of the site are the quizzes, and games. The games teach basic principals like coding, geology, planetary systems, geography, travel, sports, and more while the quizzes encourage kids to think about how they as individuals fit into the grand scheme of it all.

8. STEM Works Activities-<http://stem-works.com/>

9. NASA Space Place-<https://spaceplace.nasa.gov/>

10. Funology-<https://www.funology.com/>

11. <https://makezine.com/>

12. <https://www.common sense.org/education/top-picks/digital-resources-for-school-makerspaces>

13. <https://www.makerspaces.com/makerspace-ideas/>