

Here are a few STEM toys to check out for this holiday season!

There are plenty of STEM products out there that bring education home. Here are a few of our favorites that can lead kids into coding and STEM in a fun way.



We enjoy this add-on product for an iPad or iPhone because it is fun. Playing Tangram or Coding with Awbie is a quick and fun way to get younger students into STEM with a hands-on product that is simple to use and effortless to setup. <https://www.playosmo.com/en/>



This is another product that is fun for kids to play with, but it also provides opportunities to code by drawing, using graphical blocks or through java. There are many options available that allow creative play while integrating STEM. Works with iOS & Google. <https://www.sphero.com/>



The new kits they are putting out are great tools for teaching students how to make and hack their world. It might be a costume, instrument or animal feeder, but any of these kits will get your student into STEM through coding and making. <https://littlebits.com/>



This is a product that is ideal for students interested in electronics and in upper elementary school or older. The microbit has built in LEDs and sensors that allow for basic projects and coding, search for microbit projects to see what's out there. <https://microbit.org/>



Our college interns found cubelets just as intriguing and fun as the elementary students. We like the simplicity of the building with magnetic blocks that integrate with LEGOs <https://www.modrobotics.com/cubelets/>



The ozobot is a fun tool for kids who like to draw and create their own maps. This line tracking robot follows your code that can be custom created with markers and paper. Coding physically through art, but also available in a graphical block format. <https://ozobot.com/>

STEMinars: Laser Engraving

Workshops on creating laser engraved projects hosted at Alexandria, Loudoun and Manassas campuses through 2018. Join one of our 3 hour workshops to learn how to use Adobe Illustrator and a Laser Cutter/Engraver.



November: Laser Engraving with Acrylic. This Thanksgiving create your own custom engraved place settings, a personalized keychain or ornament.

December: Laser Engraving with Wood or Glass. Create a wood cutout to save the date, make a custom prom invitation or transfer your favorite photo to wood.

After taking a STEMinar, join us **December 8th** for a laser engraving open house at Manassas Battleview.

STEMinar registration is live: <http://steminar.novastem.us/Register>

NOVA STEM Day - Alexandria

December 1st 10am - 3pm

NOVA STEM Day at the Alexandria Campus is a free event for EVERYONE! From kindergarten to high school and beyond, we have fun and educational workshops and exhibits for the whole family. We're about DOING. Come ready to participate!

This event is open to the public and includes a variety of physical and hands-on activities. Children under age 14 must be accompanied by a parent or guardian who is responsible for providing appropriate supervision.

<https://www.novastemday.com/winter2018activities>



Check out our new Information and Engineering Technology Programs at NOVA

In collaboration with technology leaders throughout the region, NOVA developed three new strategic programs to address key areas of significant need within the Northern Virginia technology workforce. These [programs](#) are aligned to the needs of industry, infused with opportunities to earn industry-recognized credentials, and they are targeted at high growth areas that show significant job demand within the Northern Virginia region. Contact Paula Ford, Interim Dean of the IET Division, paula.ford@nvcc.edu for program details.

Cloud Computing: [Program of Study](#)

Data Center Operations: [Program of Study](#)

A.A.S Engineering Technology: [Program of Study](#)