STEM Made Simple® Playground #MassCue19		
STATION	**WEBLINK**	**DESCRIPTION**
littleBits	https://www.littlebits.com/	littleBits makes technology kits that are fun, easy-to-use, and infinitely creative. The kits are composed of electronic building blocks that are color-coded, magnetic, and make complex technology simple and fun. Together they're interchangeable in millions of different ways to empower students to invent anything – from a sibling alarm, to a wireless robot, to a digital instrument. littleBits Code Kit uses Google's Blockly language to enable students to learn coding through game design.
MakeBlock	https://www.makeblock.com/	MakeBlock products were developed to teach K-12 students about the engineering and design process as well as the coding standards. Makeblock Co., Ltd, founded in 2013, is a global STEAM education solution provider. Targeting the STEAM education and entertainment markets for schools, educational institutions, and families, Makeblock provides comprehensive hardware, software, content solutions, and top-notch robotics competitions, with the aim of achieving deep integration of technology and education.
pi-top	https://www.pi-top.com	pi-top is a modular laptop that gives you the tools to complete amazing DIY projects and bring your inventions to life. It's the perfect tool to help you learn to code, create awesome devices, and take your knowledge to the next level

Photon	https://photonrobot.com/	Photon Robot is an educational tool that helps teachers in all content areas from math to social studies to learning languages. Photon has a range of interactive sensors that allow students to program sounds, emotions, colors and much more. It grows with the student from pre-reader all the way to text based languages. There's no further need for multiple robots or products. Photon was designed by educators and psychologists.
UBTECH Education	https://ubtecheducation.com/	UBTECH Education is a division of UBTECH—a global leader in intelligent, humanoid robots for consumers, business, and industry and we're passionate about preparing all learners for the future of work. Our solutions establish the strong foundation students need to thrive: a high-quality STEM education integrated with the development of 21st century skills and computational literacy. Our UKIT solution, developed by experts who helped write the NGSS, immerses students in hands-on STEM+C learning by merging modular robotics construction with engineering, math, and language arts, as well as physical and life sciences. UKITs promote deep learning, discussion, and questioning, and develop in students collaborative, problem-solving, critical thinking, and creative skills. We developed UKITs with equity in mind, aiming to level the playing field around exposure to robotics and engineering for all students, regardless of their socio-economic status, learning ability, or gender. Leveraging the interactive robotics technology expertise of our parent company as the vehicle for delivering engaging, hands-on STEM+C curricula, our solutions allow teachers to deliver powerful STEM and CTE-aligned instruction.
Ubbu	https://www.ubbu.io/	ubbu is all about making young minds ready for the future by turning them into logical thinkers, problem solvers and skillful, conscious citizens. Using a unique year by year curriculum. Globally. A turnkey solution that seamlessly brings computer science into any classroom. ubbu has been meticulously designed with the help of educators to

		both enable and empower teachers of all fields, and help kick off their school's innovation journey. Once inside the ubbu platform, educators will find detailed and ready-to-use lesson plans, solutions, topics for discussions and class reports with student scores.
Sphero	https://www.sphero.com/education/	After releasing SPRK+ in 2016, it gave way to Sphero Edu, where our efforts in education have continued to grow. Students, teachers, and parents use our products in ways we never imagined, and show no signs of slowing. Sphero is touted as "the best day of school" for kids, and we aim to be all that and more and we continue to explore new technologies in the realm of creative play. We firmly believe that playing is a powerful teacher, and as long as we're sparking imaginations around the world, we'll keep fueling that fire. 1) Sphero BOLT: Fully programmable and highly advanced, the Sphero BOLT app-enabled robot was built to shine with a brilliant 8x8 LED Matrix, infrared and ambient light sensors, and a built-in compass. Designed for learner progression, the Sphero EDU app allows you to program your robot in three different ways: draw, block, and text. 2) Sphero RVR: RVR is Sphero's revolutionary take on the programmable robot. Its extremely customizable platform features diverse sensors, onboard power, and an expansion port so you can connect and run third-party hardware. Build the robot of your dreams, and then program it with the Sphero EDU app.
STEM Made Simple®	https://eduscape.com/sms/	Successful STEM programs do not start by simply investing in boxes of products, nor by purchasing expensive labs with pre-packaged curriculum. The very essence of the STEM process is to enable open-ended design, engineering and coding explorations by students that can be aligned across content areas; and, by empowering ALL teachers to be STEM educators.

		STEM Made Simple® is a comprehensive program for STEM education that provides customized solutions for your school community to design, implement and integrate STEM throughout the curriculum. The program allows you to build capacity and create a sustainable model for STEM education.
Robo Wunderkind	https://robowunderkind.com	Why is Robo Wunderkind a game changer? Robo Wunderkind is designed to support the basic developmental needs of K-5-aged children in experiencing the world around them. While most competitive solutions are either too difficult or too simple, Robo Wunderkind comes with the ideal cognitive stimulation and is one of the few viable solutions that can be implemented at the very start of cognitive awareness. The combination of easy-to-use physical hardware, intuitive software a professional curriculum makes Robo Wunderkind the ideal option for K-5 education. Children construct and program a simple robotic tool, while simultaneously being preparing for a job market that will be increasingly STEM-demanding and STEM-oriented. A versatile educational tool Due to its versatility, the kit can be used as a tool for teaching disciplines like language, mathematics, art, and more. It grows with children as they age, making the product a wonderful investment in their education. The curriculum, largely based on constructivism, offers 70+ hours of play-centered educational content delivered through story-telling. It refers to experiential, cooperative and play-based learning and encourages children to think about their work and the purpose behind it. The most advanced children can write their own code for Robo through our Python API. Robo Wunderkind offers its educators an onboarding program and ongoing support to make sure they make the best out of their robotic kit.

As of 10/15/19