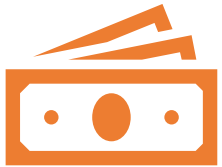


Professional Development Catalog

2020

1ST
MAKER
SPACE
Design.
Build.
Sustain.

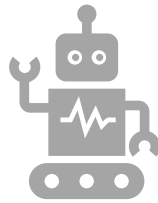
Professional Development Pricing Structure



Pricing

\$1,000/day

For Digital Learning Grant Award Winners, 1st Maker Space will match dollar for dollar any funds spend on professional development and curriculum with us.



Materials

All materials are included in our pricing. If consumables are used, participants will be able to take their creation with them at the end of the workshop. All non-consumable materials (like Bloxels, for example) will be brought for use during the day only.



Development

We develop out professional development to fit the need of our customers, so a meeting in advance of the professional development day to discuss all logistics and develop an agenda and materials is included in our pricing structure.

Elementary Maker Stations

So much to learn and so little time! This workshop is the perfect one day introduction to all of the products in the makerspace. In this workshop, we will explore up to six different products through stations and brainstorm ways to incorporate making into the elementary curriculum.

Level: Introductory, Elementary

Product Alignment: Keva Planks, Bristlebots, Paper Circuits, Bloxels, Dash and Dot, and Makey Makey (vary upon request)

Time Required: 6 Hours



Dash into Computer Science

- *Dash and Dot from Wonder Workshop offer an exciting way to fulfill the K-5 Computer Science Standards. In this workshop, teachers will learn how to use Dash and Dot and explore how to use the resources that come with these robots to teach smarter and not harder.*
- **Level:** Introductory, Elementary
- **Product Alignment:** Wonder Workshop (Dash & Dot)
- **Time Required:** 3-6 hours (based on Computer Science Standards covered)



Teaching STEM through Makedo

Teachers will explore cardboard construction and build a tower out of cardboard and Makedo “scrus” after reading Iggy Peck, Architect. This workshop models blending engineering, science, and literacy together for an integrative STEM experience for students.

Level: Introductory, Elementary

Product Alignment: Makedo Classroom Kit

Time Required: 2-3 Hours



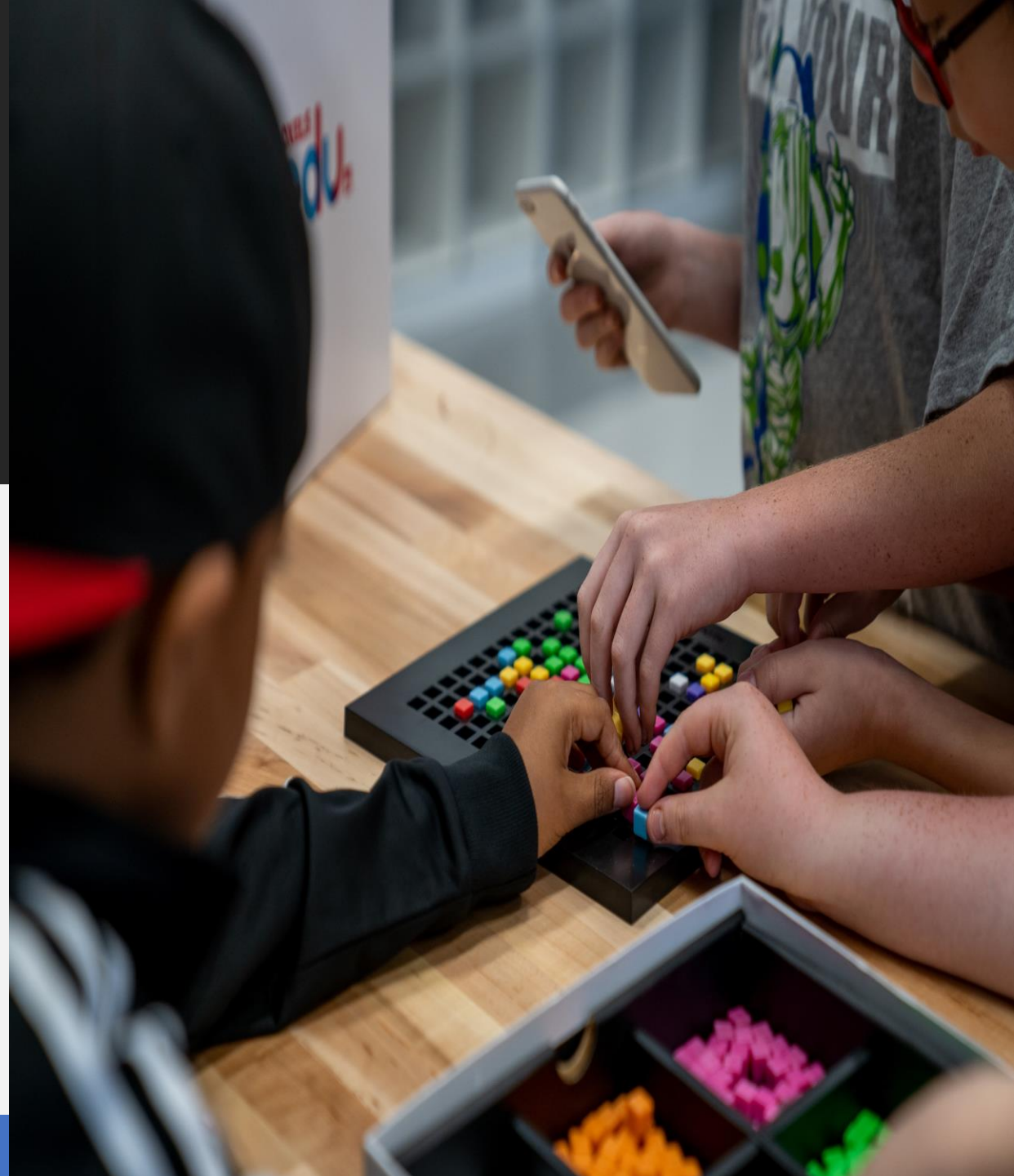
Student Created Video Games with Bloxels

Teachers will learn how to blend computer science and literacy standards together through the use of Bloxels. Teachers will develop their own sample video game as a part of this workshop.

Level: Introductory, Elementary (Ideal for teachers of grades 3-5)

Product Alignment: Bloxels

Time Required: 2-3 Hours



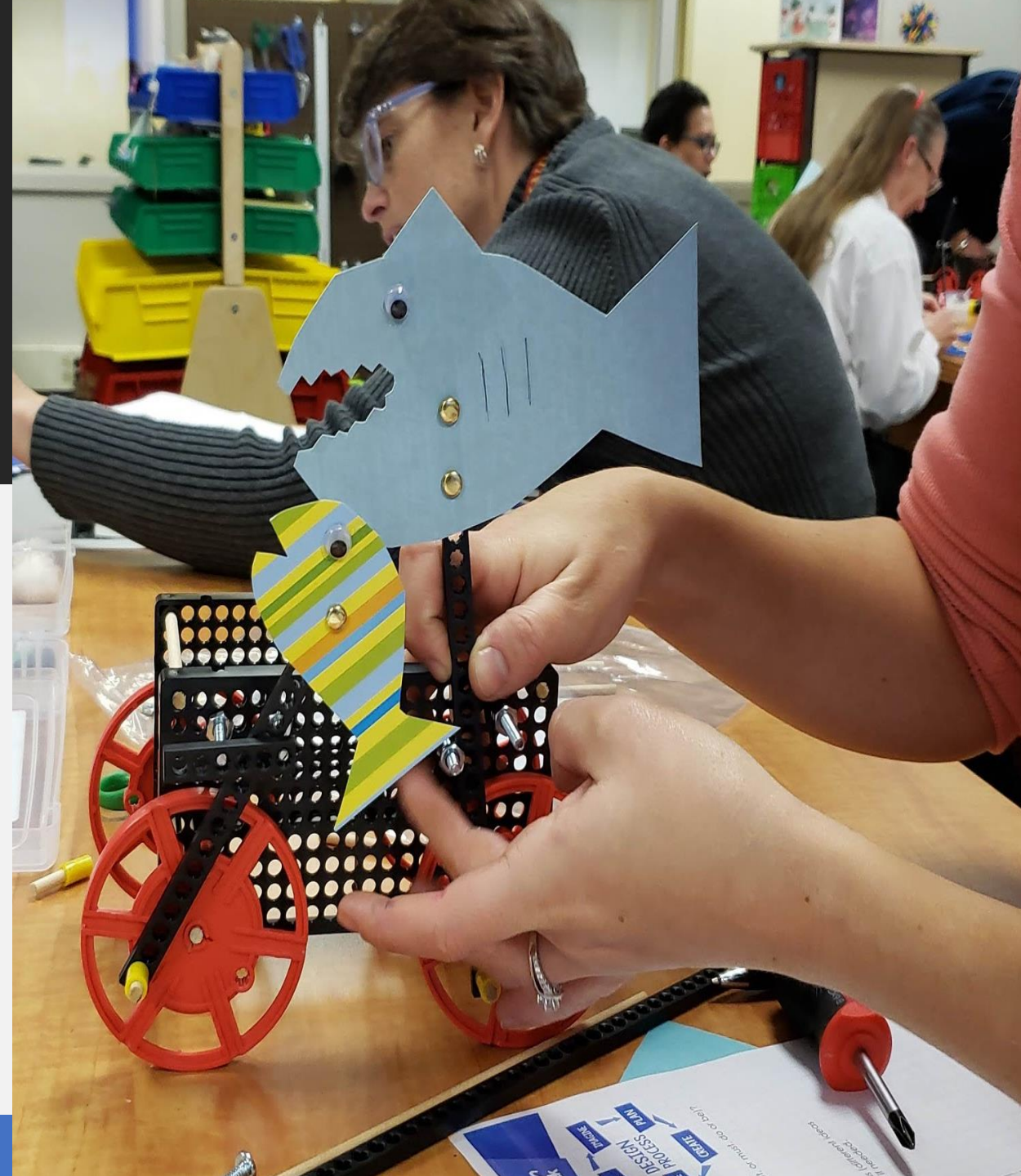
Toy Design Workshop

Learn how to scaffold designing and building through toy design with this fun workshop. Teachers will work in small groups to design and build their own toy as they explore the connection between science, math, and engineering.

Level: Introductory, Elementary (Aligned to 3rd grade standards)

Product Alignment: TeacherGeek Toy Design Workshop and Maker Tool Kit

Time Required: 2-3 Hours



Coding with the Micro:bit and Bit:booster

Looking to take your computing to the next level? Micro:bits offer a physical way to experience computing, and this workshop offers a complete introduction to the Micro:bit and Bit:booster.

Level: Intermediate, Elementary or Middle School

Product Alignment: Micro:bit and Bit:booster

Time Required: 2-3 hours



Programming with Arduino

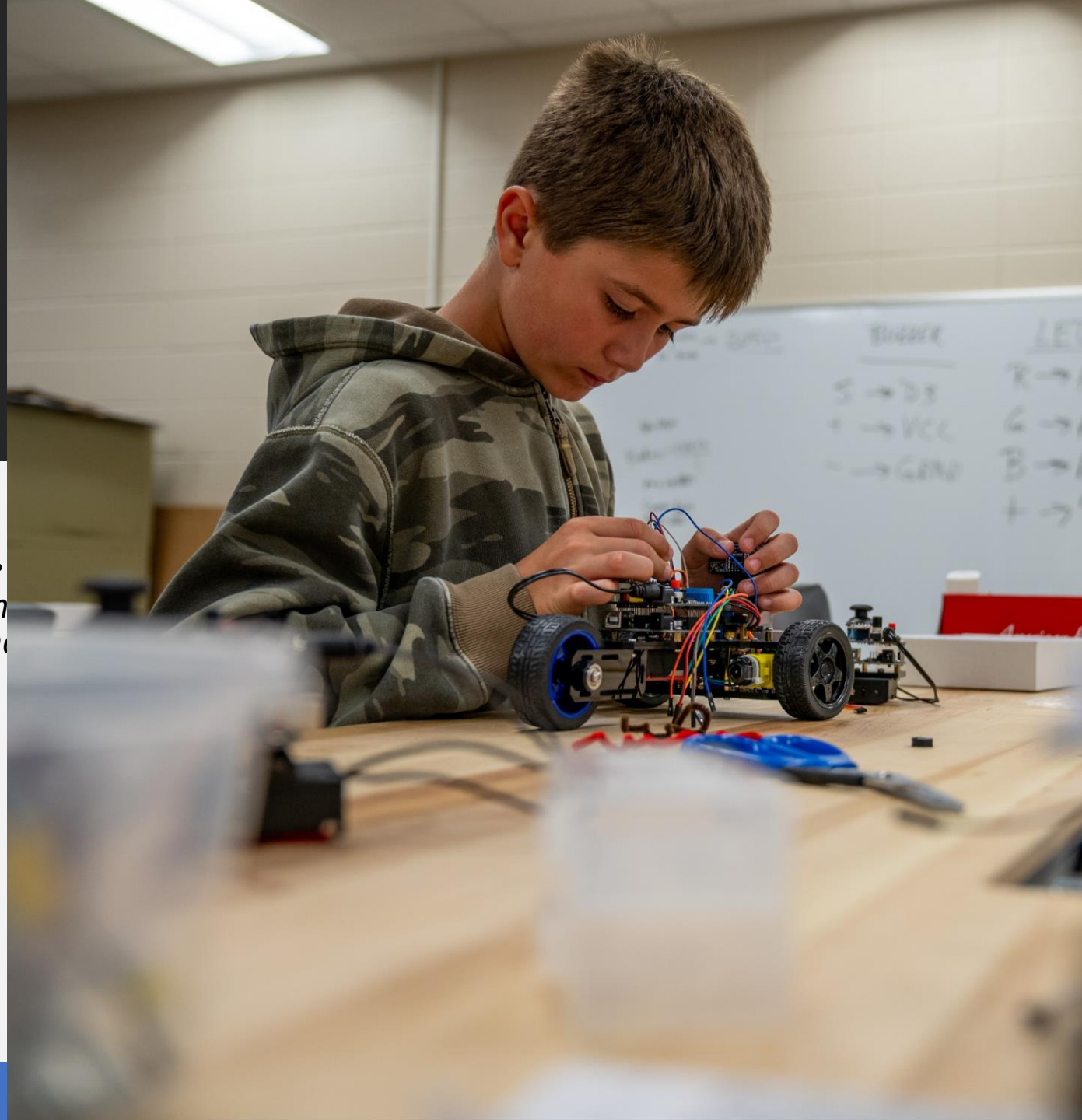
Looking for the next step in programming? Look no further than Arduino. We have developed a complete curriculum to pair with the Arduino Starter Kit, and the professional development will guide users through the first two lessons as well as the basics of using and troubleshooting with IDE devices.

Level: Advanced; High School

Product Alignment: Arduino Electronics Kit

Time Required: 2-3 hours

****Arduino Electronics Kit purchase required for workshop****



3D Printing for All

3D Printing is the wave of the future, but many of these new devices have ended up as expensive door stoppers in schools across the country without proper professional development. Learn how to use, troubleshoot, and incorporate the 3D printer into your curriculum in this engaging workshop.

Level: All grade levels

Product Alignment: All Flashforge 3D Printers

Time Required: 2-3 hours





Build a 3D Printer

Build your own 3D printer in this hands-on and engaging workshop. This workshop is geared towards all types of teachers and the workshop is split into two different segments: building and troubleshooting/using. The first half of the workshop will be spent building the 3D printer, and the rest of the workshop will be spend learning how to use and troubleshoot it.

Level: Intermediate

Product Alignment: Ender3 3D Printer

Time Required: 5-6 Hours

*****Cost is \$499 per person for this workshop and each participant gets to keep their printer*******



Build a Drone Workshop

Build your own drone in this hands-on and engaging workshop. This workshop is geared towards all types of teachers and the workshop is split into two different segments: building and troubleshooting/using. The first half of the workshop will be spent building the drone, and the rest of the workshop will be spend learning how to program and troubleshoot the drone.

Level: Intermediate

Product Alignment: Codrone Pro

Time Required: 4 Hours

*****Cost is \$499 per person for this workshop and each participant gets to keep their drone*******

Maker Manager Mentorship Program



Are you a Maker Manager looking for long-term professional development in small, bite-sized pieces?



The Maker Manager Mentorship program allows a teacher or teacher leader access monthly meetings with our Education Director as well as access to our Maker Community.



Meets online via Zoom once a month.



Culminates with a Maker Manager Certification

Additional Offerings

Looking to develop a custom professional development for your new or developed makerspace or STEM Lab? We can help! Our expert facilitators can take the burden out of planning and implementing quality professional development.

We will work with you to develop a custom professional development and/or a series of workshops to meet your strategic goals.



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President & CEO

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219-576-3957

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