Curriculum Menu

3D Printing
Using Tinkercad students will explore the process of 3-D printing. The final product of the 10 weeks will be the creation of a race car formed by adding and subtracting primitive shapes and engaging in innovation.

Carbon Footprint
Students will learn about global warming and climate change, from their own communities to the global problem. The 10-weeks focus on water, waste, electricity and carbon emissions. Students then identify problems and develop solutions. This course connects problem solving steps with professional opportunities that do just that.

Career Horizons
By the end of the 10 weeks students will have broadened their knowledge around what types of jobs exist, while exploring the framework for how to find jobs that interest them, i.e. resume building, cover letter, etc. Students will learn about careers at different companies.

Code Combat
Using a gamified platform, students learn Java and Python computer coding, while making connections to the importance of programming in today’s professional industries. Students will engage in innovation, collaboration and problem solving strategies as they move through the coding platform.

Constitutional Law
Students will learn about the Bill of Rights and the many amendments to our constitution. They will go more into depth on the right to vote. Students will learn how to be an active participant in voting and how to make change in their communities. Their WOW! project will be around building a campaign to “get out the vote”.

Cooking Matters
The 10 weeks offer different opportunities for students to cook with a variety of ingredients. Students will learn how to read nutrition labels, the techniques of working in the professional kitchen, identifying career possibilities, understanding the relationship of math and science to cooking, all while learning the various ways the proteins, fats, and sugars work to support our health.

Creative Writing
An exploration of creative writing pieces will be introduced to students throughout the ten weeks, while focusing on the importance of college and access to community colleges. Intrapersonal skills are fostered in all students as they will express themselves through writing or illustrating.

Financial Literacy
Learn the building blocks of personal finance in a fun and interactive format! Students will learn about savings, checking, credit/debit, investing and more in this apprenticeship. Throughout the semester, students will work through several different scenarios that simulate real life and will draw on the skills they learn while they make important financial decisions—with the goal of saving money and balancing their budgets!

Gardening
Students will learn how to build a garden while learning about food systems and different functions that plants can have. While learning about planting seeds and growing vegetables, students will connect with organizations that support local farmers and the benefits of purchasing from community farms.

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Girls on the Mic
Dedicated to getting girls into creative technology for music, radio, film, television, and the internet. Students will learn the science behind how sound works, while developing and recording a variety of their own sound samples over the course of the 10 weeks.

Global & Community Problem Solvers
Students will identify and solve either global or community problems affecting their communities using innovation, problem solving and communication skills. Looking into NGO and non-profit organizations as well as youth in the news, students will develop an understanding of the variety of career opportunities connected with global and community problem solvers.

Just Mindfulness and Movement
Students will experience the power of breath and mindfulness through various practices, such as movement, writing and play. The science behind mindfulness benefits will be taught, along with empowerment through self reflection and awareness.

Mock Trial
Led in partnership with Discovering Justice, Mock Trial gives students the opportunity to work with attorneys and learn about the judicial system. Students will take a deep dive into the First Amendment, doing case analysis and development, and honing the civic skills needed to persuasively argue a case. At the end of the ten weeks, students will argue their case before a real judge and jury.

Outdoor Exploration
O.E. is an apprenticeship where students explore their neighborhoods and local community parks to learn about the wild and plant life. Students will learn about the history of the land as well as ways to get involved to sustain the health of nature in their communities.

Point of No Return
Students will learn about three sub topics: renewable energy, solar cell operation and basic flight concepts. Working in teams of four, they will design a sustainability plan for a current issue they think is important.

Power of the Pitch
This 10 week curriculum will teach students the basic presentation and communication skills needed for students to create their very own powerfully persuasive pitch.

Web Development
Technologists at Capital One will introduce students to two coding languages used frequently in web development. Students will learn about HTML, the skeleton of a web site. Then, students will learn about CSS, the code that makes a website look great. Each week, students will break up into a small team to code, working together with a Capital One mentor. Over the course of the program, each student will use the skills learned about HTML and CSS to create their own website!

Youth Alive!
The mission is to prevent violence and create young leaders through programs like Teens on Target, which teaches kids to be peer educators, and focus on prevention, intervention, and healing.

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NATIONAL LEADERSHIP PARTNERS:

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