Gaithersburg High School—June 24–28, 2019

Mechanical Know How—Learn the Fundamentals for Keeping Your Car on the Road
Students will learn how to operate and use shop equipment safely and effectively, such as lift, jack, air tools, and specialized automotive tools; learn basic electrical principles and apply them to automotive systems; utilize and apply multimeter measurements to make informed repair decisions; and perform brake services (checking fluids, tire pressure, and component identification).

I (heart) Robots—Use Applications to Build Robots and Learn about STEM
Students will learn how to build and program robots. They also will engage in other coding projects using Alice and other applications. Hands-on STEM projects will allow students to develop creativity and critical thinking skills.

Website Development—Learn 21st Century Skills and Develop your own Website
Students will plan, design, and program websites using HTML and CSS. They will create a website with banner, content, navigation bar, and images using Notepad++ (text editor), Adobe Fireworks, and Photoshop.

Game Design/Intro to Video Editing
Students will design a basic video game, utilizing basic programming and web design concepts. In addition, students will explore the basics of videography and video editing.

Culinary Arts: Travel to Delicious Destinations in the Kitchen
Students will learn about food safety and sanitation; prepare foods from the African, Italian, and Latin cuisines; and explore exciting career opportunities in the field of Hospitality.

Medical Mysteries—Create and Design Experiments to Solve Medical Problems
Students will design and conduct experiments to solve medical mysteries, explore human body systems, and design innovative solutions to health challenges.

Money Smart: Practices to Make You Create Wealth and Become a Millionaire
Students will engage in an activity-based, information-rich and imagination-igniting financial literacy program, where they will develop skills in how to: Make Money, Manage Money, Multiply Money, and Donate Money Wisely. This camp is for those who aspire to be an Investment Manager or simply those who want to manage their own money.

Extreme Engineering—Project-based Learning Using Programs Like Autocad
Students will learn technical drawing, manufacturing and design knowledge using computer programs like AutoCAD. Students in this session will connect to career programs integrating Computer Aided Design software with communications in a presentation after working on projects.

Thomas Edison High School of Tech.—July 8–12, 2019

<u>Culinary Arts: Travel to Delicious Destinations in the Kitchen</u>
Students will learn about food safety and sanitation; prepare foods from the African, Italian, and Latin cuisines; and explore exciting career opportunities in the field of Hospitality.

<u>Introduction to Cybersecurity</u>
Students will explore methods to stay safe online, learn the different types of malware on attacks, measures used by organizations to mitigate the attacks, and research their potential Cybersecurity Careers

<u>Architecture</u>
Students will learn about the architectural design process and the challenges designers' face each day creating a diverse world through the design of a hypothetical city. Throughout the week, students will work in groups using this theme, focusing on different aspects of design that will ultimately produce a large architecture and urban design project.

<u>Introduction to the Salon Spa</u>
Students interested in giving beauty makeovers will get a preview of the care of hair, nails, and facial services in the salon. They will get a hands-on preview to practice braiding hair, coloring hair, giving hot oil manicure, creating nails and face makeup designs, and performing spa facials. Students will practice on classmates and in turn model for classmates to practice.

<u>The Art of Design</u>
Students will learn about commercial graphic design, explore job opportunities, learn about the design process, and be introduced to the standard software used in the industry through project-based design.

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