

2019 Aurora Youth 4 Success (AY4S) Summer Program

Course Descriptions

All classes are limited to 16 students (KidsTek is limited to 15 students)

3D Design and Print: Light up your world! Let's do it by using 3D design and printing to make what we need where we need it. We will design and make things. We will teach 3D design CAD software to make something both simple and useful, like a flashlight. Students will learn how to create and replicate designs so they will be able to create a unique project that incorporates design, ergonomics, components and assembly and mechanics. They will also understand how their designs are printed and will have time to see and use a 3D printer. Bring your ideas to class and light up your world. **Instructors: Debra Wilcox and David Greenstein**

Automotive: Students taking this course will learn the basics of automotive fundamentals and safety. Today's automotive industry is a high-speed course full of new age innovation in need of quality-trained technicians. Students will experience hands-on, real world, factory-related training, with a strong emphasis on fun and safety. Individuals will have an opportunity to perform safety inspections and learn basic maintenance using both shop supplied and student owned vehicles. Get revved up for this exciting summer course! **Instructors: Darcy Niblo and Larry Wilkenson**

Cosmetology: As a cosmetologist, you will become a trusted professional; the person our guests rely on to provide ongoing services that enable them to look and feel their best. Cosmetology training will provide you with the foundation for an exciting, artistic, and limitless career that can fulfill your big dream. In this course, you will learn the life skills and image for a professional cosmetologist, how to properly disinfect, and principles of hair design, braiding, facials, facial make-up, manicuring, pedicuring, and the salon business side. Together, we will answer questions you have in all aspects of the cosmetology world. **Instructor: Pamela Evans**

Culinary Arts: Are you interested in cooking something other than pop tarts and frozen chicken nuggets? Please join us and learn how to prepare and cook fresh made items. In this course, we will start with the basics of safety and sanitation and move on to knife skills. From there, you will create stir-fry and handmade pasta and sauce. We will then explore the basics of meat and, to finish off, we'll work with fresh fruit smoothies and Pelican Pete's Oreo Cheesecake. **Instructor: Kim Adibuah**

Graphic Arts: Do you like to draw? Would you like to learn how? Do you like the designs and icons on your cell phones and computers? Do you wonder how your favorite t-shirt was created? Where did the logo come from for your favorite band? Graphic Design is everywhere and the world needs artists to dream up the perfect ideas from things you can hold in your hand (like skateboards) to computer images (icons and characters). Get a head start on how to express your creativity through drawing and design with different media. We'll cover drawing basics and then work with Adobe Illustrator and Photoshop. Already use these programs? I can have you explore further to create more advanced computer files. **Instructor: Pete Cunis**

KidsTek Career and College Prep: Need help looking for your first job? KidsTek can help! Not only will each student have the opportunity to go home with a FREE LAPTOP at the end of the program, but we can also help you begin the job search process and explore college and scholarship opportunities. Students will learn the correct way to prepare a resume and cover letter, obtain interviewing skills, understand business etiquette, and gain knowledge about preparing for college and applying for scholarships. **Instructors: Emily Tow and Meghan Lang**

Pre-Med: Dive into the human body by allowing yourself to be the guinea pig! In this course, you will explore 5 different body systems through dissections and labs covering topics such as cow eyeballs and exercise. Finally, take your curiosity to the next level with an experiment of your own! Become your own lab rat as you create and perform an experiment that helps gain more insight into body systems.

Instructor: Ashley Atwell

Science and Engineering (sponsored by Nelnet): The science and engineering course applies real-world engineering skills like working in a team, solving problems, competing, working within constraints, and using the engineering design process to engage in a variety of design challenges. These challenges allow students to explore problems that environmental, mechanical, materials science, and aerospace engineers face. Students will apply their knowledge of mathematics, physics, and aeronautics in combination with other soft skills to successfully complete a variety of challenges. **Instructor: Gil**

Trevino

Trio of Technical Trades: In this course, students will have hands-on experiences in Electrical, Carpentry and Precision Machining careers. Electrical fundamentals, test equipment and troubleshooting skills will be used to diagnose and repair common home electrical issues. The tools and techniques of professional carpentry will be utilized to complete an individual wood working project. And students will use precision machining CNC equipment to enhance their project. Roll up your sleeves and get ready for a hands-on experience! **Instructor: Steve Spaar**