



Wings of Eagles Discovery Center

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More information at:

<https://www.wingsofeagles.com/education/>

\$200 per student per class

Date	Grade	Name	Description
July 11-15,2022	Pre-k (3-4 years old)	MakerSpace PRE-K	This class is designed for our 3–4-year-old learners and will be offered as a full day class. Students in this pre-k group will get an introduction to our maker space and will have the opportunity to explore and use engineering and math skills.
July 18-22,2022	K-2	MakerSpace Tot	Are you curious about how things work? You can use your own imagination and creativity during this week using Lego's, simple science, and stories. Come explore with us! <i>(Different activities than during the MakerSpace Tot on August 1-5,2022)</i> Take Home Kits Available for this class!
July 25-29,2022	K-2	Exploratorium	Discover all that the world has to offer in this fun and exciting class about how the world works . We will discover and explore physics, chemistry, biology and more.
August 1-5,2022	K-2	MakerSpace Tot 2	Come to our maker space and explore hands on crafts, sewing, 3D printing, Legos, programming, and robotics . This session will focus on making with our little learners and will be part two of the class offered earlier in the summer. <i>(Different activities than during the MakerSpace Tot on July 18-22,2022)</i>
August 8-12,2022	K-2	Become a Stemster	Rock out all the stem projects during this fun and exciting class . Make the most out of this week and become a card-carrying Stem learning kid. We will work on engineering/ designing and follow in the footsteps of great aviation pioneers like Glen Curtis and the Wright Brothers.
August 8-12,2022	K-2	3-2-1 Blastoff!	Do you want to be an astronaut when you grow up? If so, this class is for you. Learn the in and outs of outer space. Learn about what it takes to rocket into space. Fun hands-on activities including prevocational skills and more during this weeklong program.
August 15-19,2022	K-2	Spike	Students will build and create various engineering designed projects using LEGOs while also completing various hands-on challenges and inventive projects.
July 11-15,2022	Grades 3-8	Building Construction	Our Makerspaces goal is to provide students with a hands-on, creative, user friendly, "anytime, anyplace", opportunity to build and create things. This class will allow students the opportunities to use basic construction building tools and build prevocational skills . We will be constructing projects that could include yard games like corn hole and Yahtzee! If you joined us last year, come again and make something brand new.
July 11-15,2022	Grades 3-8	Take Flight	Hop into the pilot seat , learn the basics of aviation; take the controls and get ready to learn the basics behind flight. We will build airplanes and learn using actual flight simulators. Our new and upgrade virtual reality experience is heart stopping fun and excitement. This non-stop action is great for students that love video games and science. We will also be exploring, building, and launching rockets during this take flight course. Take Home Kits Available for this class!

July 18-22,2022	Grades 3-8	NXT Mindstorm Robotics	Do you love the Disney / Pixar movie WALL-E? Do you like to build things using LEGOs? Have you ever thought about programing your own robot? If you answer yes to these questions our LEGO Robotics course is for you! This introductory course introduces students to the basics of NXT LEGO Robotics. Students will work in teams to design, build and program their own robots. Students will be involved with programming their robots through several challenges.
July 18-22,2022	Grades 3-8	Science on the Daily Part-1	Explore a different science theme every day: Monday: Biology Tuesday: Chemistry Wednesday: Physics Thursday: Earth Science Friday: Engineering NOTE1: Students do not need to take part 2 second NOTE2: Beginning July 4,2022 Students can sign up for <u>unused slots</u> for Single Day classes only \$40/day (Different from activities on part-2 held on August 15-19,2022)
July 25-29,2022	Grades 3-8	Forensics	Solve the mystery at the museum while building your skills at forensics. Fingerprinting, DNA analysis, impressions, and more. You will use your best STEM skills to solve the case.
July 25-29,2022	Grades 3-8	The Science Behind Sports	Do you like to play sports? Do you enjoy demonstrating how powerful your body can be? When you play in gym you are also doing science. Sports are a powerful example of science at work. Come explore the science and enjoy playing sports and game with classmates.
August 1-5,2022	Grades 3-8	Mars Base Eagle	Did you know that we are projected to have a man on mars by 2040? Learn about Mars and experience how we will colonize the planet in the near future. Learners can join our virtual season via zoom, using a packet of take home materials provided. Students will have a family pass to visit our colony during regular business hours.
August 1-5,2022	Grades 3-8	Fun with Science	Household products are curiously inspiring: With a splash of food coloring and a teaspoon each of liquid starch and glue, We can concoct an elastic, Slimy glob technically known as a "non-Newtonian fluid. We even make our own bubble gum! Come out and enjoy our course in the hands on and edible. Take Home Kits Available for this class!
August 8-12,2022	Grades 3-8	Career & Vocational Training 101	It's never too early to explore careers and vocations. This weeklong course will include hands on vocational training and guest speakers in different careers available in our area. Fields trips also help to round out this class. (hands on Small Engine building/repairs will be during this course!)
August 15-19,2022	Grades 3-8	Science on the Daily Part-2	Come out and learn all about different careers and jobs in each of the different science fields. Fields trip to near-by local business will make this class an all around fun experience. NOTE1: Students do not need to take part 1 first. NOTE2: Beginning July 4,2022 Students can sign up <u>unused slots</u> for Single Day classes only \$40/day (hands on Small Engine building/repairs will be during this course!) (Different from activities on part-1 held on July 18-22,2022)
August 15-19,2022	Grades 3-8	Engineering design with Water Fun!!	Learn science, math and engineering while playing with the design of rollercoasters and water slides. Have you ever wondered why rollercoasters work? Why are water slides so fast? Could we build a better slip and slide? This hands-on camp will teach you how to think like an engineer. (Students will need to bring/wear under clothes their bathing suits/clothes that can get wet and towels daily & Sunscreen!)