

CAMP ETHOS 2019

Spring Break Camp Week 1	4/1-5	9:00-3:30	Adventures in Flight	Are you ready to take flight? Begin your expedition and determine how planes, helicopters, and drones lift off. Do you have what it takes to become a pilot? Explore RC planes and visit the Kalamazoo Air Zoo. **LUNCH NOT INCLUDED** PreK – 8 th
Week 2	6/10-14	9:00-11:30	Basic Spanish	Learn basic words and phrases in Spanish (colors, numbers, songs, greetings, short conversations & more!), dive into the Spanish culture (music, dancing, art, entertainment and cuisine), and try on an authentic Sombrero! ¡Divertido! PreK – 8 th
Week 2	6/10-14	1:00-3:30	Wizard Science	Take a break from the Muggle world! Come join us for the Wizard Innovation Academy where we will have 2.5 fun filled hours looking into the movie magic of the Harry Potter world. We will teach ways to create your own green screen pictures and videos at home, how to brew Polyjuice potion, plus a whole lot more! PreK – 8 th
Week 2	6/10-14	9:00-3:30	Our Wild World	Learn about the animals of our world! Each day students will explore a different biome (living environment) and the animals that are found there. ETHOS Critter Corner will be featured up close. Each day features hands-on activities and fun projects including a trip to Potawatomi Zoo. 2 nd – 5 th

Week 3 **6/17-21** **9:00-11:30** **Science Fun**

Is there an equation for fun?! Dive into the exciting world of science and find the answer: Explore circuits, magnets, grossology, colors and more! Get ready for a week of exploration and experiments designed to solve the fun equation. PreK – 2nd

Week 3 **6/17-21** **9:00-11:30** **Health Heroes**

Does your child love learning about their body and how what they eat and do affects them? If they do, then Goshen Health's, *Health Heroes* camp taught by our wellness professionals may be the right fit for them. At this camp, your child will learn the importance of staying healthy from head to toe with fun, hands-on activities. They will also learn how being healthy now can help prevent or delay conditions like diabetes and heart disease. Together we'll simulate how disease spreads into an epidemic using sticky notes, construct the components of blood, demonstrate the effect nicotine has on blood, try out strength and endurance tests, and healthy snack ideas. 5th – 8th

Week 3 **6/17-21** **1:00-3:30** **Aeronautic Antics**

Join us to learn the basic physics of flight by building a flying model. We will be constructing a balsa and tissue model that will illustrate the physics of flight in a hands-on manner. Look at this YouTube video to see the model fly: <https://m.youtube.com/watch?v=k9ExSrYbnak> Experience the satisfaction of flying something you have built yourself. Occupations in aviation will also be discussed. There is a future in flight for you! 5th – 12th

Week 4	6/24-28	9:00-3:30	Junior Inventors	<p>Don't let your brothers and sisters have all the fun Inventing in Camp Invention. As Junior inventors, we will design, create, construct and maybe improve inventions to help in our daily life. Activities include simple machines – wheel and axle, screws, inclined plane, levers, wedges and pulleys. Simple machines make our work easier. Ages 4-6 (pre-Kindergarten)</p>
Week 4	6/24-28	9:00-3:30	CAMP INVENTION	<p>A high – energy, hands-on STEM camp. Register at www.campinvention.org Problem solving with Deep Sea Mystery, STEM application with DIY Orbot, Innovation with Innovation Force, and Confidence with Farm Tech. Imagine the possibilities. Entering 1st – 6th</p>
Week 5	7/8-12	9:00-11:30	Who loves Robots? WEDO!	<p>Test your STEM skills by building a chomping alligator and a rocking boat. Discover the basic principles of robots by putting gears, levers and wheels to work. PreK – 2nd</p>
Week 5	7/8-12	9:00-11:30	LEGO EV3 1	<p>Bring LEGO to life! We will learn the basics of robotic design and programming, then put our robots to work performing tasks and solving problems. Challenge other teams to a battle of the bots on a tricky obstacle course. No prior experience needed. 3rd – 8th</p>
Week 5	7/8-12	1:00-3:30	Programming 101	<p>Love computer games? Learn to code and program your own stories and games. PreK – 2nd</p>

Week 5	7/8-12	1:00-3:30	Coding Cadets
Week 5	7/8-12	9:00-3:30	Advanced EV3 Robotics
Week 5	7/8-12	9:00-3:30	Coding and Gaming
Week 6	7/15-19	9:00-11:30	Derby Cars

Step 1: Come to CAMP ETHOS! Step 2. Have Fun! Learn to create your own virtual stories and adventures step-by-step through popular coding programs! We'll explore the secrets of binary code, solve fascinating puzzles, and program our friends. 3rd – 8th

Robotics experience required. The next level of LEGO EV3 Robotics. Program with sensors, use advanced design techniques, score points on the challenge table and more.

Previous coding experience helpful. Learn to code stories through programming software. Bring life to your most creative ideas. Code your own animated story and become a power programmer with an Hour of Code. It's as easy as 01, 10, 11!

Build your own Derby Car and race on our Derby Race Track. How do you make your car faster? Lots of trial and error to find the answers. PreK – 8th

Week 6 **7/15-19** **9:00-11:30** **ART Adventure Week**

We will have fun exploring the elements of art by using a variety of mediums. This is a hands-on, get messy art experience that will open the creative mind of your young artist. Students will learn art concepts while creating their masterpieces. An exhibit of their work will take place on the last day of camp! 1st-6th

Week 6 **7/15-19** **1:00-3:30** **Astronomy**

Come explore the sky! From our local star: the sun, to the planets and the stars beyond. Campers will learn how to build telescopes, track planets through the sky, and many other astronomy skills. Includes star shows in our Star lab and an evening observation. 1st – 8th

Week 6 **7/15-19** **9:00-3:30** **Outdoor Adventures**

Blend science with outdoor adventures. Many activities include canoeing, hiking, building a debris hut, orienteering, wild edibles, rock climbing, ropes and more! Don't miss the fun! \$25 activity fee not included. 3rd – 8th