

# Wings of Eagles Summer Programs 2023

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Programs run weekly, Monday – Friday, starting July 10<sup>th</sup> through September 1st, from 9am-3pm or 9am-5pm with purchase of the extension program sold separately.

Our new extension program (sold as an add-on) permits your child to extend their day until 5pm.

**PRE-K** \_\_\_\_\_ *Only one (1) class is offered.*

**Maker Space 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 10-14**

**GRADES K-2** \_\_\_\_\_ *Thirteen (13) different classes to choose from.*

**Fun with Science Tot:**

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. This is our Tot version, appropriate for grades K-2.

**July 10-14**

**Maker Space 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!

**July 17-21**

**Minecraft Maker Space:**

Do you love Minecraft? This class is sure to be a creeper! Students will explore Minecraft themed crafts, coding, and more.

**July 17-21**

**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.

**July 24-28**

**Lego Construction Playdate:**

We built this city with Legos! Students will work together to build a city that will be displayed at the museum! While engineering our city, students will learn about all the important parts that make up a successful city in their neighborhood.

**July 24-28**

**Maker Space 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.

**July 31-August 4**

**Ms. Burt's Brick Party:**

Are you a fan of the Lego movies? Come party with Ms. Burt and Emmett as we engineer and design everything that is awesome. It will be cool being part of a team. Everything is awesome when you are living and learning in this course.

**July 31-August 4**

**Base Camp Space:**

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. This interactive course will include science, technology, math and art.

**August 7-11**

**Pokémon Trainer Course:**

Students embark on a Pokémon training journey including building with Legos, stem themed Pokémon projects, and 3D printing. Come on in, we gotta catch em all!!

**August 7-11**

**Lego Learners with Spike:**

Students will build and create various engineering designed projects using LEGO SPIKE Robotic Kits. Hands on class including beginning coding skills.

**August 14-18**

**Wings & Things:** Discover and explore how animals and aircrafts have a lot in common. Investigate animals that can fly and how they have similar features to aircraft. Hands on and project based.

**August 14-18**

**Old MacDonalds Farm:**

This class is all about the animals. Would you be a good farmer? Learn new and interesting facts about all sorts of farm animals, including how to care for them. We will have animals on premise for you to get hands on with.

**August 21-26**

## **Lego Learners with Spike 2:**

Students will build and create various engineering designed projects using LEGO SPIKE Robotic Kits. You do not need to have completed Lego Spike 1 to participate in this class.

**August 28-September 1**

## **GRADES 3-8** \_\_\_\_\_ ***Eight (8) classes to choose from.***

### ***Building Construction Maker Space:***

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. 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 10-14**

### ***EV3 Lego Robotics:***

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.

**July 17-21**

### ***Forensics:***

Solve the mystery at the museum while building your skills at forensics. This class will take a look back at murder mysteries from the past. You will use your STEM skills to solve the case.

**July 24-28**

### ***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.

**July 31-August 4**

### ***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.

**August 7-11**

## **Engineering Design With Water:**

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!

**August 14-18**

## **Robotics:**

This open robotics maker space lets you take the wheel. We will have lots of different robotics options including NXT, RCX, VEX, drones, and ROV. Student can explore each of these options or dive on into one that sparks their interest.

**August 21-26**

## ***Prevocational Skills:***

Learn about jobs that are in high demand and have a shortage of members. Get hands on experience in construction, culinary, automotive, and health care trades. Learn how to make yummy desserts.

**August 28-September 1**