

## JUNE 12TH - 16TH

### **INTO THE RAINFOREST:** 9am - 12pm

*grades K - 3*

Young learners will learn about the important rainforest ecosystem by creating their own habitats with rainforest animals and plants.

### **ART IN THE OUTDOORS:** 1pm - 4pm

*grades 3 - 8*

Campers will explore the natural surroundings of Conestoga Pines Park and use their observations to design a mural. *Thanks to Katie Trainer and the Lancaster Recreation Commission!*

### **SLIME ZONE:** 1pm - 4pm

*grades K - 8*

ALL. THE. SLIME. Kids will unlock the chemistry behind slime and polymers and make several batches of their own slime each day.

## JUNE 19TH - 23RD

### **VIDEO GAME DESIGN:** 9am - 12pm

*grades 3 - 8*

Don't just play video games this summer - make them! Campers will learn to code their own retro-style arcade games using MakeCode.

### **JUNIOR CODING ACADEMY:** 9am - 12pm

*grades K - 3*

Young learners will be introduced to block coding. They'll try different kid-friendly coding applications like Scratch Jr., Ozobots, and Code.org. Suitable for beginners!

### **STEAM POWERED CAMP:** 1pm - 4pm

*grades 3 - 8*

Campers will explore different mediums of art and flex their creativity with design challenges. The camp will conclude with an art exhibition at the Lancaster City Welcome Center. Families and friends are invited to attend!

## JUNE 26TH - 30TH

### **INTRO TO ROBOTICS:** 9am - 12pm

*grades K - 3*

Young learners will learn basic coding and logic using fun technology, robots, and screen-free methods. Suitable for true coding beginners.

### **BRAIN CONNECTIONS:** 1pm - 4pm

*grades 3 - 8*

Unlock the mysteries of the brain and how it informs (or tricks) our five senses. Is seeing really believing? Can you taste without smell?

## JULY 3RD - 7TH (NO CAMP ON JULY 4TH)

### **3D PRINTING:** 9am - 12pm

*grades 3 - 8*

Campers will learn the fundamentals of 3D printing using the Tinkercad platform. They will get to keep each project they complete!

### **HARRY POTTER SCIENCE MAGIC:** 9am - 12pm

*grades K - 8*

Campers will explore the real science behind the magic. They'll practice making messy potions, learn how to do some real "transfiguration," and even create their own magical creatures!

### **SCIENCE IS ART:** 1pm - 4pm

*grades 3 - 8*

Campers will explore how to use science to create mixed-media art. Projects will include salt watercolor, acrylic painting, color theory and more!



## JULY 10TH - 14TH

### **BRIDGEMANIA:** 9am - 12pm

*grades 3 - 8*

Kids will construct model bridges, try virtual and REAL welding, and cap off the week with a trip to High Steel Structures to see bridge-building in action.

### **CRAFTY MATH:** 9am - 12pm

*grades K - 3*

Young learners will explore math concepts like money, place value, measurement, and more by making fun and interactive craft projects.

### **JUNK DRAWER INVENTOR:** 1pm - 4pm

*grades 2 - 8*

Kids will use common materials from our Maker Space junk drawers to invent and build contraptions using the engineering design process.

***All camps are \$165 per camper. Sign up for a morning and afternoon camp to pack a lunch and stay all day!***

***Scholarships are available for families in need.***

***Register online at:***

**[WWW.LANCASTERSCIENCEFACTORY.ORG/SUMMERCAMPS](http://WWW.LANCASTERSCIENCEFACTORY.ORG/SUMMERCAMPS)**

## JULY 17TH - 21ST

### **CREATIVE CARDBOARD:** 9am - 12pm

*grades 3 - 8*

Campers will flex their creativity and design skills as they make interactive cardboard creations like puppets, miniature golf courses, and more!

### **HARRY POTTER SCIENCE MAGIC:** 1pm - 4pm

*grades K - 8*

Campers will explore the real science behind the magic. They'll practice making messy potions, learn how to do some real "transfiguration," and even create their own magical creatures!

## JULY 24TH - 28TH

### **VIDEO GAME DESIGN:** 9am - 12pm

*grades 3 - 8*

Don't just play video games this summer - make them! Campers will learn to code their own retro-style arcade games using MakeCode.

### **BUBBLE BLAST:** 9am - 12pm

*grades K - 2*

Early learners will blast off into a world of bubble science! They'll explore density, elasticity, and the formula to the perfect giant bubble!

### **ART UNDER THE SEA:** 1pm - 4pm

*grades 3 - 8*

Art and Biology collide in this STEAM camp! Each day campers will learn about different sea creatures and complete an acrylic on canvas painting to take home.

## JULY 31ST - AUGUST 4TH

### **BIRDS IN THE BACKYARD:** 9AM - 12PM

*grades 3 - 8*

Campers will explore the Science Factory's backyard - our new outdoor courtyard - and attract local species of birds by building a habitat, learning calls, and more!

### **AIR AND SPACE:** 9 am- 12pm

*grades K - 3*

Kids will learn about the principles of flight as they make custom rockets, helicopters, and other flying contraptions

### **PREHISTORIC CREATURES:** 1pm - 4pm

*grades K - 8*

Campers who dig dinos and all things prehistoric will love this interactive, project-based camp! Kids will explore the animals and plants of various prehistoric eras by making models, going on a dino dig, examining fossils, and more!

## AUGUST 7TH - 11TH

### **ENVIRONMENTAL ENGINEERING:** 9am - 12pm

*grades 3 - 8*

Campers will explore how environmental engineers are tackling the climate crisis. They'll build their own renewable energy generators, make green infrastructure models eliminate water pollution, and more!

### **COSTUMES & FABRIC CRAFT:** 9am - 12pm

*grades 3 - 8*

Campers will dive into the art and design of fabric craft. They'll learn to hand-sew, measure fabric, and to mix colors and textures. The week ends with a fashion show for parents.

### **CREATIVE CARDBOARD:** 1pm - 4pm

*grades 3 - 8*

Campers will flex their creativity and design skills as they make interactive cardboard creations like puppets, miniature golf courses, and more!

## AUGUST 14TH - 18TH

### **INTRO TO ROBOTICS:** 9am - 12pm

*grades K - 3*

Young learners will learn basic coding and logic using fun technology, robots, and screen-free methods. Suitable for true coding beginners.

### **SCIENCE IS ART:** 9am - 12pm

*grades 3 - 8*

Campers will explore how to use science to create mixed-media art. Projects will include salt watercolor, acrylic painting, color theory and more!

### **SLIME ZONE:** 1pm - 4pm

*grades K - 8*

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# SUMMER STEM CAMPS 2023

JUNE 12 - AUGUST 18TH | GRADES K - 8



SIGN UP NOW AT:

[WWW.LANCASTERSCIENCEFACTORY.ORG/SUMMERCAMPS](http://WWW.LANCASTERSCIENCEFACTORY.ORG/SUMMERCAMPS)