

## JUNE 17TH - 21ST

**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!

**CREATING A BACKYARD HABITAT:** 9am - 12pm  
*grades 2 - 8*

Learn how to certify your outdoor space as a backyard habitat. In this camp, kids will create shelter for nesting birds, pollinators, and insects. Use what you learn and make in camp to earn this distinction for your backyard!

**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!

## JUNE 24TH - 28TH

**ESSENTIAL SCIENCE:** 9am - 12pm  
*grades 3 - 8*

A classic science sampler! Extract DNA from strawberries, create a battery from a lemon, make chromatography flowers, and more! This week will be jam packed with all of the essentials for a fun summer experience

**MISSIONS TO SPACE:** 9am - 12pm  
*grades K - 5*

Young learners will team up to launch a mission to space! Design your mission patch, build a lunar rover, map the moon for resources, and imagine what the future might look like in Space industry!

**CREEPY CRAWLIES** 1pm - 4pm  
*grades k - 5*

Kids will learn about insects, bees, spiders, and worms and find out why these crawlies aren't so creepy after all! Hands-on activities and projects will help explain the role of insects, pollinators, and more play in our ecosystems.

## JULY 1ST - 5TH (NO CAMP JULY 4TH)

**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!

**MAGICAL MOSAICS:** 9am - 12pm  
*grades k - 3*

Campers will create art using math and shapes in this creative camp - including a hanging mural for our Maker Space! They'll also do projects to adorn their own walls with shapes and patterns.

**VIDEO GAME DESIGN:** 1pm - 4pm  
*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 Arcade.

## JULY 8TH - 12TH

**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!

**ESSENTIAL SCIENCE:** 9am - 12pm  
*grades 3 - 8*

A classic science sampler! Extract DNA from strawberries, create a battery from a lemon, make chromatography flowers and more! This week will be jammed back with all of the essentials for a fun summer experience

**UPCYCLED FASHION:** 1pm - 4pm  
*grades 3 - 8*

Campers will upcycle and recycle common items to create sustainable fashion, accessories, and costumes. Learn skills like measurement, pattern making, and sewing along the way!

## JULY 15TH - 19TH

**CODING & ROBOTICS:** 9am - 12pm  
*grades 3 - 8*

Whether they're already avid coders or new to the game, kids will love this exciting Maker camp. Explore platforms like Circuit Playground, Edison and Lego Mindstorms!

**CREEPY CRAWLIES** 9am - 12pm  
*grades k - 5*

Kids will learn about insects, bees, spiders, and worms and find out why these crawlies aren't so creepy after all! Hands-on activities and projects will help explain the role of insects, pollinators, and more play in our ecosystems.

**INTO THE RAINFOREST:** 1pm - 4pm  
*grades k - 5*

Campers will learn about the important rainforest ecosystem by creating habitats with rainforest animals and plants. There's lots of room for art and creativity in this nature-focused camp!

## JULY 22ND - 26TH

**DISCOVERING DINOSAURS:** 9am - 12pm  
*grades K - 5*

Campers who dig dinos and all things prehistoric will love this interactive, project-based camp! Kids will be a Paleontologist exploring eras by making models, going on a dino dig, examining fossils, and more!

**CREATING A BACKYARD HABITAT:** 9am - 12pm  
*grades 2 - 8*

Learn how to certify your outdoor space as a backyard habitat. In this camp, kids will create shelter for nesting birds, pollinators, and insects. Use what you learn and make in camp to earn this distinction for your backyard!

**ART UNDER THE LEAF:** 1pm - 4pm  
*grades 2 - 8*

Art and Biology collide in this STEAM camp! Each day campers will learn about the insects and animals hiding in our backyards and will complete an acrylic on canvas painting to take home.

## JULY 29TH - AUGUST 2ND

**MISSIONS TO SPACE:** 9am - 12pm

*grades K - 5*

Young learners will team up to launch a mission to space! Design your mission patch, build a lunar rover, map the moon for resources, and imagine what the future might look like in Space industry!

**ENVIRONMENTAL ENGINEERING:** 1pm - 4pm

*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 to eliminate water pollution, and more!

## AUGUST 5TH - 9TH

**BRIDGEMANIA:** 9AM - 12PM

*grades 3 - 8*

Our popular bridge camp is back! 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.

**INTRO TO ROBOTICS** 9 am- 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:** 1pm - 4pm

*grades k - 3*

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

SIGN UP NOW AT:

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

## AUGUST 12TH - 16TH

**ECO WARRIORS:** 9am - 12pm

*grades 3 - 8*

How can you help reduce trash and waste? Kids will spend the week doing hands-on projects that will make the world a better place. Challenge yourself to make something out of what would be waste, try out worm composting and more!

**3D PRINTING:** 1pm - 4pm

*grades 3 - 8*

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

**All camps are \$175 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.**

## AUGUST 19TH - 23RD

**JUNK DRAWER INVENTOR:** 9am - 12pm

*grades 2 - 8*

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

**DISCOVERING DINOSAURS:** 9am - 12pm

*grades K - 5*

Campers who dig dinos and all things prehistoric will love this interactive, project-based camp! Kids will be a Paleontologist exploring eras by making models, going on a dino dig, examining fossils, and more!

**INTO THE RAINFOREST:** 1pm - 4pm

*grades k - 5*

Campers will learn about the important rainforest ecosystem by creating habitats with rainforest animals and plants. There's lots of room for art and creativity in this nature-focused camp!



# SUMMER STEM CAMPS 2024

JUNE 17TH- AUGUST 23RD | GRADES K - 8



**All camps are \$175 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.**