



DA VINCI  
SCIENCE  
CENTER®

2019

# SUMMER CAMP

Ask about our  
Summer Camps  
in Easton

**Early-Bird Registration: Feb 1- 28**  
Save \$10 on each session with promo code EARLY

**Savings for Members**  
Members save \$15 on each session with promo code MEMBER

**Register at [davincisciencecenter.org/summercamp](http://davincisciencecenter.org/summercamp)**

\*Limit one promo code per reservation

\*\*Membership must still be active through the dates of the camp



	Morning Sessions 9 a.m.-Noon			Afternoon Sessions 1-4 p.m.		Full-Day Sessions 9 a.m.-4 p.m.	
2019	Pre-K Ages 4-5	Grades 1-2	Grades 3-4	Grades 1-2	Grades 3-4	Grades 1-4	Grades 5-8
June 17-21	Little Coders	Mad Scientist	Veterinary Apprentice	Grossology	Wizard World		Video Game Development
June 24-28	Little Coders	Mad Scientist	Veterinary Apprentice	Grossology	Wizard World		Video Game Development
July 1-5	No Camp Sessions						
July 8-12	Over the Rainbow					Programming and Video Game Making	Mini-Medical School I
July 15-19	Over the Rainbow					Programming and Video Game Making	Mini-Medical School I
July 22-26	Animal Secrets	Pirate Adventures	Pirate Adventures	Race It, Fly It, Fling It, Launch It!	NASA Space Explorers		Take Flight: Drones, Planes, and Beyond
July 29-Aug. 2	Animal Secrets	Pirate Adventures	Pirate Adventures	Race It, Fly It, Fling It, Launch It!	NASA Space Explorers		Take Flight: Drones, Planes, and Beyond
Aug. 5-9	When I Grow Up					Super Spies	Engineering with Arduino
Aug. 12-16	When I Grow Up					Super Spies	Engineering with Arduino
Aug. 19-23	Splish Splash					Amazing Adventures	Amazing Adventures

NOTE: A one-hour supervised lunch and activity period is provided to campers who participate in a morning and afternoon session on the same day.

## Amazing Adventures - \$425

End the summer with an epic road trip...or four! Each day of this week, campers will travel to various points of interest across the greater Lehigh Valley and beyond. While some of our trips may be to popular destinations, Da Vinci Science Center educators will add a unique STEM-related twist to every visit and provide an extraordinary experience unlike any other. All travel fees, admission costs, and special equipment needs will be provided with your registration. Join us for this end of summer journey and make some life-long memories.

## Mini-Medical School I - \$375

What's so cool about the human body? Our week-long mini-medical school will help you get a jump start on a future in healthcare and medicine. We'll investigate some of the fundamentals of macro- and microbiology; ways to prevent, diagnose, and treat diseases; and learn more about basic anatomy. Highlights include a fetal pig dissection and a field trip to the St. Luke's University Health Network Bethlehem campus for a behind-the-scenes look at the healthcare industry. Mini-Medical School I is made possible by the generous support of St. Luke's University Health Network.

## Super Spies - \$395

Your mission, should you choose to accept it: become the best super spy in the world! Unlock your true potential as you practice picking real locks and cracking complex safe codes. Experiment with the latest high-tech gadgets and modern methods for uncovering the truth as you solve this year's Super Secret Spy Challenge Course inside the Science Center. As a world-class super spy, you'll need to know how to handle yourself in almost any sticky situation; we'll be providing some indoor sky diving training at iFly in King of Prussia to help you prepare!

## Video Game Development - \$355

Ever wonder how your favorite video games are made? This week, we'll trade in our controllers for a keyboard and mouse to explore the programming, art, and design techniques used behind the scenes of video games. Join us for this week of exploring the latest technology in gaming, including the cutting edge use of VR and AR, as well as a visit from WeDiscoverGeeks' Kat Mahoney who will show us how to use professional software and design models to build new worlds.

See reverse for additional camps

# Da Vinci Science Center Summer Camp

## **Animal Secrets - \$155**

Campers will discover how animals crawl, swim, and fly as they uncover the secrets of how animals move. Campers also will explore many different habitats - from the cold of Antarctica to the environment just outside the building. A nature camp in which campers will be explorers!

## **Engineering with Arduino - \$425**

Tech-savvy middle schoolers: this one's for you. Assemble electronic components and program your own Arduino micro-controller (AKA mini-computer) to perform all sorts of tasks. Beginners and experienced programmers are encouraged to join us for this one-of-a-kind, do-it-yourself electronics camp. We'll give you the tools and skills necessary to build something truly extraordinary. You'll get to keep everything we worked with - the Arduino, LEDs, LCD screens, and more - to continue building, tinkering, and programming at home!

## **Grossology - \$155**

Some of the grossest things in the world are all around us - or even inside us. Join us this week to try out all the best gassy, gurgly, and downright messy experiments we can come up with. Based on Sylvia Branzei's popular children's book series, this very sticky, super slimy, extra smelly, summer camp is perfect for anyone who wants to learn about gross stuff!

## **Little Coders - \$155**

Does your little learner love playing with technology and exploring the latest apps? Help them to prepare for life in the 21st century as we investigate computers, complete coding challenges, and program robots! This week, we'll engage in a healthy mix of on-screen and "unplugged" activities that develop your child's problem-solving skills and build a strong foundation for their high tech future.

## **Mad Scientist - \$165**

Young mad scientists in training will explore a different subject in science, technology, engineering, and math every day. We'll experiment as chemists and explore reactions and explosions, tinker with electricity and magnetism as electrical engineers, and examine living things as biologists! We'll learn how all STEM subjects are related. Every mad scientist needs to look the part, so we'll be designing our very own lab coats and safety glasses.

## **NASA Space Explorers - \$165**

Celebrate the 50th Anniversary of the Apollo 11 mission to the moon with us! Get in real astronaut gear and feel what it's like to walk on the moon. We'll explore the depths of the final frontier and learn what it takes to be a NASA team member. Campers will get special access to our Be the Astronaut exhibition as well as travel to distant planets in virtual reality.

## **Over the Rainbow - \$165**

We will explore how our eyes see different colors and even learn about some "colors" we cannot see. Each camper will get a chance to perform different hands-on activities to help them discover how to make all the colors of the rainbow (and more) by mixing primary colors - with paint and light. Everyone is sure to have a blast getting messy and creative when we experiment with Goblies throwable paintballs and play paint.

## **Pirate Adventures - \$155**

Campers will follow their captain-counselors on fun-filled, action-packed adventures and develop the skills necessary to lead their own crew one day. We'll see who is ready to be a true pirate when we test camper's abilities to perform everyday tasks while wearing an eye patch, a hook hand, and even a peg leg! Every pirate crew needs a ship worthy of sailing the seven seas - will the boat you build for one of your crew members remain afloat or become a sunken ruin?

## **Programming & Video Game Making 1st-2nd: \$310 3rd-4th: \$335**

Using Scratch - an icon-based computer language made for kids - we'll learn the basics of coding and programming as we make our own apps and video games. Whether you are a new computer user or have been playing video games for years, everyone is sure to have a great time developing this 21st century skill together. Educators will challenge each camper based upon her/his ability and provide individualized guidance to help them advance. We'll spend the week working with computers, tablets, robotics, and several "unplugged" activities to add variety and complexity to our days.

## **Race It, Fly It, Fling It, Launch It! - \$155**

There are countless ways to get things moving in this summer camp that has been redesigned for 2019. Campers will experiment with various modes of transportation and push the limits on how far, how fast, or how high they can go! This open-ended, design-driven camp is perfect for tiny tinkerers and mini makers that love some friendly competition. For added fun, everyone will get special access to our Be the Astronaut traveling exhibit and take their experiments to the next level in virtual reality.

## **Splish Splash - \$155**

What better way to beat the end of summer heat than a camp all about water? Your little learner will perform all sorts of wet hands-on activities this week to help them discover what's so awesome about this super special substance and why water is so important to all of us. Each day will be different as we investigate the properties of water, explore how water is used, and experiment with ways water can change. An extra dry set of clothes is definitely recommended for all campers this week!

## **Take Flight: Drones, Planes, and Beyond - \$425**

Join us for a series of high altitude adventures this week in our camp all about the fundamentals of flight. We'll take to the skies using paper airplanes, programmable drones, and virtual reality simulations. Each day this week, we will experiment with forces, explore unique ways to make things fly, and develop our piloting skills by programming and flying different drones. Each camper will take home their very own drone at the end of the week! No summer camp about flying would be complete without a special behind-the-scenes tour of Allentown's Queen City Airport, where we'll get to meet some of the professionals who make air travel possible.

## **Veterinary Apprentice - \$155**

Calling all animal lovers! Come get an inside look at what it takes to keep some of your favorite furry, fuzzy, and feathered friends happy and healthy. Together, we'll learn all about the different types of veterinarians and how they care for all kinds of creatures. We'll have special visitors from The Wildlands Conservancy join us with real live animals and an actual veterinarian will help us to put our new skills to the test!

## **When I Grow Up - \$175**

What do you want to be when you grow up? Our youngest campers will spend the week exploring what it's like to be a grown-up, learn about different jobs, and build new skills that will help them to understand the endless possibilities available to them in their future. Everyone will earn Da Vinci dollars when they go to work as a scientist, engineer, chef, doctor, and more each day this week. Use your Da Vinci dollars at the end of the week to buy something cool in the Curiosity Gift Shop!

## **Wizard World - \$155**

Discover the science behind the magic from your favorite School for Witchcraft and Wizardry. Together, we'll explore subjects like herbology, potions, astronomy, and care of magical creatures. Campers will get a chance to make new friends as they compete for "STEM Points" and work together to complete their N.E.W.T. (Next Extraordinary Wizard-Scientist Test) "exams." For extra fun, everyone is invited to wear his or her best wizard attire during the week.

**Register Online at [davincisciencecenter.org/summercamp](http://davincisciencecenter.org/summercamp)**