



DA VINCI
SCIENCE
CENTER

2017

SUMMER CAMP

Early-Bird Registration: Feb. 21-March 31, 2017

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/camp

*Limit one promo code per reservation

**Membership must still be active at the time of the camp



| | Morning Sessions 9 a.m.-12 p.m. | | | | Afternoon Sessions 1-4 p.m. | | | Full-Day Sessions 9 a.m.-4 p.m. | |
|-----------------|------------------------------------|----------------------|----------------------|------------------|--------------------------------|--------------------------|--------------------------|------------------------------------|---------------------------------|
| 2017 | Pre-K Ages 4-5 | Grades 1-2 | Grades 3-4 | Grades 5-8 | Pre-K Ages 4-5 | Grades 1-4 | Grades 5-8 | Grades 1-4 | Grades 5-8 |
| June 19-23 | My Five Senses | Science Magic | Wizard World | Survivor Science | | Art & Design of Leonardo | Art & Design of Leonardo | | |
| June 26-30 | My Five Senses | Science Magic | Wizard World | Survivor Science | | Art & Design of Leonardo | Art & Design of Leonardo | | |
| July 3-7 | No Camp Sessions | | | | | | | | |
| July 10-14 | My Amazing Body A | | | | My Amazing Body A | | | Scratch Video Game Making | Fear Factor |
| July 17-21 | More Adventures with Dr. Seuss | | | | More Adventures with Dr. Seuss | | | Scratch Video Game Making | Fear Factor |
| July 24-28 | Little Coders | Musical Mayhem | Science of Theater | | | Treasure Hunters | | | Mini Medical School |
| July 31- Aug. 4 | Little Coders | Musical Mayhem | Science of Theater | | | Treasure Hunters | | | Mini Medical School |
| Aug. 7-11 | Fairy Tales, Fun and Food | Animal Detectives I | Animal Detectives I | | | Spy Camp II | | | Robot Construction with Arduino |
| Aug. 14-18 | Fairy Tales, Fun and Food | Animal Detectives II | Animal Detectives II | | | Spy Camp II | | | Robot Construction with Arduino |
| Aug. 21-25 | Science of the Sea | | | | | | | Amazing Adventures | Amazing Adventures |

A Presented in Partnership with Community Services for Children

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 - \$395

End the summer with a bang in a week long, fun-filled, "Amazing Adventures" camp. The adventures are derived from a week of traveling across Lehigh and Bucks counties to exciting destinations. As part of the multiple trips, the students will experience situations that will test their ability to work as a team all the while expanding their scientific knowledge, and hone their problem solving abilities. Each day will feature a new theme, like exploring the musical notes of Ringing Rocks or the colorful creations of the Crayola Experience. Students will discover amazing new things about the world around them in new and exciting ways.

Fear Factor - \$350

Students will learn about fears, where they come from, how they affect us, and what can be done about them. The camp will utilize the Goose Bumps! exhibit as a teaching tool as well as classroom exercises. Campers will have the chance to face fears including fear of the dark, heights, and electric shocks. Session pricing includes busing and admission to a rock climbing wall and sky trail adventure.

Robot Construction with Arduino* - \$395

Do you want to build your own robot? This camp will start with basic beginner instruction of the Arduino micro-controller with user friendly coding that can be used to interact with the physical world. Campers will explore various elements that an Arduino can control including the operation of different motors and an ultrasonic sensor. By the end of camp, each camper will have built an obstacle-avoiding robot. This is a full day camp and includes a material fee for the electronic parts and accessories that will be part of their robot.

*For continued learning experience, beyond this camp, your child may bring her/his own laptop daily onto which the necessary drivers and coders would be installed for the tasks we do each day. Otherwise, the student may use a Da Vinci Science Center provided laptop and can bring a thumb drive on the last day to copy the necessary code and drivers.

See reverse for additional camps

Da Vinci Science Center Summer Camp

Animal Detectives I - \$165

How do scientists solve animal mysteries? By doing a little detective work! We'll tag, track, and even capture different nocturnal animals, and learn how to give a dangerous animal a checkup! Activities include crafts, field observations, and real wildlife monitoring plus a special visit from the Wildlands Conservancy.

Animal Detectives II - \$175

How do scientists solve animal mysteries? By doing a little detective work! We'll learn how scientists tag and track animals swimming in the sea and soaring in the sky. Activities include crafts, field testing of monitoring technology, and a visit to Hawk Mountain Wildlife Sanctuary including the Mountain Discovery guided tour.

Animal Detectives II is a stand-alone camp. Therefore, there is no prerequisite to have attended Animal Detectives I.

Art and Design of Leonardo - \$170

Discover the art and inventions of the Renaissance. Using Leonardo da Vinci as inspiration, build functional replicas, experiment with fresco painting, create paper and plaster casts and other 3D design projects. A trip to the Mercer Museum is included. The camp is offered for older and younger participants and will be divided into two labs according to age.

Fairy Tales, Fun and Food - \$155

Everything that is good about being a kid is rolled into one great week of camp. Campers will hear imaginative stories, make simple food dishes inspired by these stories, and learn that food can be used for having fun. This camp session is partly based upon the Fairy Tale Cookbooks by Jane Yolen and Heidi E.Y. Stemple.

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.

Mini Medical School - \$325

Calling all future medical students! Here is an adventure that was designed for you. Campers will explore a sampling of the many aspects of the medical profession, such as microbiology, epidemiology, anatomy and clinical practice. Highlights include a trip to St. Luke's University Hospital Bethlehem campus for a guided tour and a fetal pig dissection.

More Adventures with Dr. Seuss - \$155

This super silly summer camp follows along with some of your favorite Dr. Seuss books! Join us on an adventure through our imaginations as we investigate Oobleck with Bartholomew, explore animals with the Wildlands Conservancy, taste green foods with Sam I Am, and learn how to create our very own Dr. Seuss-inspired storybook! Even if "it is wet and the sun is not sunny, we [will] have lots of good fun that is funny." - *Dr. Seuss, The Cat in the Hat*

Musical Mayhem- \$165

Explore the Sound of Science with the Da Vinci Science Center this summer. Join us in exploring the science behind music as we investigate vibrations, pitch and volume, experiment with pop rocks, learn how to make your very own musical instruments and enjoy a special performance by popular children's folksinger, Dave Fry.

My Amazing Body- \$155

Where does my food go after I eat it? Why does my heart beat so fast after I play? Preschoolers are full of questions about their bodies. Discover your amazing body through stories, songs, and hands-on learning through this fun-filled camp.

My Five Senses - \$155

Your child will learn the importance of the five senses through exploring with fun activities. Test your sight with a memory game and learn your name in braille. Try some taste tests and use your nose to identify different scents. Learn where sound comes from and make your own instrument. Create a book of textures and go on a treasure hunt for objects with different textures.

Science Magic - \$155

Is it magic...or is it science? Campers will explore the science behind the tricks as they make balls float in the air, pull a tablecloth out from under dishes, and perform tricks with water--such as making it disappear and defying gravity without getting wet. Campers will perform in a magic show at the end of camp for their family members and friends.

Science of the Sea - \$155

Explore the ocean with fun activities during our final week of camp. Children will learn about the layers of the ocean, build their own take-home sand castles, create an ocean in a bottle, and learn how to clean up the ocean. This camp is packed with hands-on activities that will have your children excited about your next trip to the beach.

Science of Theater - \$155

Disappearing ghosts, moving sets, and spooky lights! Learn all about the science behind creating a magical performance. Campers will get to create their own model set while learning about lights, props and special effects. Camp will include a special visit to Cedar Crest College's Theater.

Scratch Video Game Making - \$310

Want to create your own video games and amaze your friends and family? This full day camp will begin by learning about the Scratch programming language which uses drag and drop blocks to create cool stories, animation, and video games. By the end of the camp, each camper will have created several basic video games.

Spy Camp II - \$155

Da Vinci needs super spies! Children will learn how to go undercover, crack secret codes, and make super cool spy gadgets. With an exciting mission to work on throughout the week, children will learn all about being a spy in this one week camp.

Survivor Science - \$155

What are the challenges to surviving in a natural environment? What are the actions a person should take to increase their chance of survival and in what order? Campers will learn the basics of survival skills and undergo a variety of hands-on activities that will test their skills.

Treasure Hunters - \$175

Become a treasure hunter and discover the fun of learning how to hunt for hidden treasures. Explore an undersea world of sunken ships to unearth lost treasure and pearls. Uncover hidden dinosaur fossils using the tools of paleontologists. Go underground in a mysterious cave at Lost River Caverns and learn how to pan for gems. Discover the difference of real and fool's gold while searching for your own. Create your own treasure hunt with maps, tools, and build your own treasure chest to keep your treasures discovered during the week.

A bus trip and admission to Lost River Caverns is included in the price.

Wizard World - \$155

Campers become real-life wizard scientists as they prepare their wands and take classes from your favorite wizard school--including Herbology, Potions, Astronomy, and Care of Magical Creatures. Campers will earn points for their Houses and compete in a Tri-Wizard Challenge. Campers are also encouraged to wear wizard attire during the week.

Register Online at davincisciencecenter.org/camp