

DISCOVERY/ODYSSEY 2022

SUMMER PROGRAMS THE WRIGHT WAY



Pre-College Programs

Welcome

Summer enrichment courses at Wright State University are designed to encourage your child's creativity and enthusiasm for learning. Pre-College Programs is pleased to offer summer enrichment for students entering grades K-9. Students who desire challenge; are interested in learning and personal growth; and have the motivation to succeed are encouraged to take advantage of these hands-on, exploratory courses. Teachers and professionals from the Miami Valley provide exciting, educational, and challenging learning environments that encourages creativity and critical thinking.

All courses are held on the main campus of Wright State University.

For more information or to register: www.wright.edu/precollage

FEES

Weekly Fee: The fee for each session is \$140. A registration deposit of \$70 per session is due with each application. **The registration deposit is NON-REFUNDABLE after acceptance into the selected course.** The balance due must be paid in full two weeks prior to the start of the session. Any payments made after the balance due date will be charged a \$10 late fee. Pre-College Programs reserves the right to cancel any registrations if payments are not made by the given due date. After May 1, 2022 a fee of \$10 per course will be charged to change a course selection once a student is officially enrolled into the program.

Lab Fees: Some courses require specialized lab equipment and materials. These courses will be charged an additional \$20 lab fee. If a course has a lab fee it will be noted in the course description.

Confirmation of Registration: Upon acceptance, you will receive an email confirmation of your student's registration.

Extended Care: Is available for parents who need to drop their student(s) off and/or pickup their student(s) before or after normal program hours of 9:00 a.m.-3:30 p.m. Parents who take advantage of the Extended Care option may drop off their student(s) between 7:30-8:00 a.m. and must pick them up by 5:30 p.m. The Extended Care option is an extra \$55 per session, per student. There is a limited enrollment of 30 students per Extended Care session. Registration deadline for Extended Care, providing space is available, is the Wednesday prior to the start of each session at noon. **A charge of \$10 for every five minutes late during pickup time will be charged.**

Cancellation/Refund Policy: The registration deposit of \$70 per session is **NON-REFUNDABLE** after acceptance into a selected course. All requests for refunds due to cancellation must be submitted **in writing**. A fee of \$35 will be deducted from refunds requested after May 1, 2022. Course changes or cancellations will not be accepted past the registration deadline. In the event that a course is cancelled due to insufficient enrollment, a full refund will be issued. **Refunds will not be issued for students dismissed for disciplinary reasons.**

IMPORTANT INFORMATION

Lunch: Students should bring a mid-morning snack and sack lunch with drink each day.

Recreation: Students should bring their swimsuit and towel on Tuesdays and Thursdays for **swimming**. If the swimming pool is closed due to maintenance, students will participate in supervised recreation.

Discipline Policy: It is expected that students will take responsibility for their own behavior and act appropriately to foster a positive environment for all participants. If a student should act inappropriately during the program, a warning will be given to the student and to the parents on the day of the infraction. If inappropriate behavior recurs, the child will be removed from the class and may be removed from the program. Severe or malicious infringement of the Discovery rules or policies will result in immediate dismissal from the program.

Holiday: No classes will be held on **Monday, June 20 & Monday July 4, 2022**. All fees will remain the same for those weeks.

Pre-College Office:

Our academic year office is located at 210 Student Union. **May 31–August 5, 2022 our summer administrative office will be located at 116 Allyn Hall.**

All mail should be addressed to:

Pre-College Programs
Wright State University
3640 Colonel Glenn Hwy.
Dayton, OH 45435.

Daily Schedule

7:30 – 8:00 AM	Extended Care arrivals
8:45 – 9:00 AM	General arrivals
9:00 AM	Discovery Opening
	Announcements/Courses
11:30/noon	Lunch and outside activities
12:30/1:00 – 3:15 PM	Course project time recreation
3:15 – 3:30 PM	General parent pick up
5:05 – 5:30 PM	Extended Care pick up

WEEK 2: JUNE 13 -17, 2022

Registration Deadline for Session 2 is Wednesday, June 8, 2022 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
Super Heroes/Cartoon*

Discovery (Grades K-6)

Grades K-1

BSC 101 Imagination Destination

Become the next Picasso! Experiment with art by using stamps, spray bottles, stencils, sponges, and much more. Use a variety of materials to create your own masterpieces.

Grades 2-3

BSC 102 Perfect Pets



Perfect-Pets

Have you been wanting a new furry friend or maybe you already have one? Learn about the different variety of pets available. Research the skills and training needed to properly care for a wide variety of pets. This class is not appropriate for children with allergies to animals as special appearances will be made.

BSC 103 Magnetic Madness

Examine the world of electromagnets as you investigate magnetic properties of various materials. Study rocks that contain magnetic properties. Investigate how magnets are used in building structures.



BSC 104 Energy In/Energy Out

Students will spend half the day creating science experiments while learning about potential and kinetic energy. The other half will be allotted to games and activities for students to release their own kinetic energy. A great class for students with lots of energy.

Grades 4-5-6

BSC 105 Codes and Ciphers



Do you want to stop your younger sibling from reading your note? Do you want to feel like a real "secret" agent by passing a coded message to your friends? This class will show you many codes and

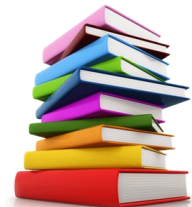
ciphers, from simple letter switching to historic code tools. Students will also learn tips and tricks of breaking many types of codes.

BSC 106 Uncommon Sports

Learn the rules and great teamwork when you participate in uncommon sports such as: Frisbee golf, bocce ball, and others. Learn how to adapt sports so all can plan. Plan and develop your own uncommon sports.

BSC 107 Popular Books

Do you love reading? Explore what makes a book great and what it takes to make it popular. From Goosebumps, to Harry Potter, to Dork Diaries, and more, discuss popular themes throughout the stories. Play games, create art, and make a favorite snack from one of the many popular books.



Camp Odyssey (Grades 7-9)

BSC 108 Goldberg Innovations

Study, design, and create complex gadgets to perform simple tasks. Research past designs through Rube Goldberg's cartoons and then create your own Rube Goldberg innovations.

WEEK 3: JUNE 21 – 24, 2022

Registration Deadline for Session 3 is Wednesday, June 15, 2022 at Noon. No registrations accepted after deadline. *No Monday class

*Wacky
Wednesday
theme:
When I grow up...*

Discovery (Grades K-6)

Grades K-1



CSC 101 Nature All Around Us

Discover the world of nature. Examine trees, birds, and bugs as you explore the campus nature trails. Create your own nature journal,

map, and creepy crawly crafts

Grades 2-3

CSC 102 Junior Science Magicians

Become a science magician! Discover how physics and chemistry make magic. Experiment with things that glow in the dark and optical illusions. Concoct potions that change color. Learn how magicians *read* minds and impress your friends with coin and card tricks.

CSC 103 Making Music



How is music and math related? Make homemade instruments throughout this class and discover how to stay on beat. Drums, guitars, and more can be made out of materials around the house. Learn how music relates to math as you explore the instruments.

CSC 104 Mummy Mysteries

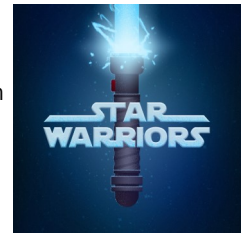
Get “wrapped up” in ancient Egypt. Learn how ancient civilizations made their mummies; explore how the pyramids were built as you create your own miniature model to take home. Write your name in hieroglyphics. Join us as we discover Egyptian mysteries.



Grades 4-5-6

CSC 105 Star Warriors Academy

Is there life on another planet? Learn science fact from science fiction when you explore the planets, creatures, and vehicles in movies and books; as you learn about the real planets, robots, and other space technology used



CSC 106 Travel the World

Discover a different part of the world each day. Try different foods, play games, read stories, and create projects based on different countries. Explore unique cultures, plant life, and animals from the different locations.



CSC 107 Make Perfect Cents

Do you like money? Would you like to know how you can earn it, keep it, manage it, and make more? Learn about checking and savings accounts, credit, investing, stocks, and more. Learn what it takes to have a budget now and in the future.



Camp Odyssey (Grades 7-9)

CSC 108 Kid Biz

Develop your own business from choosing your product, to naming your business, designing a logo, understanding pricing and profit margins, and marketing your idea. Research trends in advertising and create a budget for success.

WEEK 4: JUNE 27 - JULY 1, 2022

Registration Deadline for Session 4 is Wednesday, June 22, 2022 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:*

Book or Movie Character

Discovery (Grades K-6)

Grades K-1

DSC 101 Reading the Sky

Have you seen Orion and the Big Dipper? Learn about the sun, stars, and the constellations. Activities will focus on math and science. Students will create their own planet mobile.

Grades 2-3

DSC 102 Kid-ventions



Do you like to imagine inventions, create cool gadgets, and engineer exciting structures? Come and learn about kid creators, remake some of their inventions, and design your own.

DSC 103 Art All Around

Join us and experience multiple art forms. Imagine yourself in Asia, Africa, Central America, or the Middle East! Make crafts from these areas as you create rain sticks, masks, and more. Explore these and other art forms as it is made all around us.



DSC 104 Reptiles and Amphibians



Can you be the next reptile wrangler? Students will learn all about their favorite cold-blooded friends. Research where they live, what they eat, and if they are venomous. Create an art project based on your findings.

Grades 4-5-6

DSC 105 The Great Escape

Codes, clues, riddles, and puzzles will all be a part of this crazy adventure. Using teamwork and troubleshooting, students will solve a series of challenges to unlock the "breakout" box. Students will learn the premise of the popular Escape Room challenges and create their own breakout game to use with friends

DSC 106 Survivor Skills

Learn about surviving in the wilderness. Subjects covered will include: setting up a camp, making knots, map reading, signaling, and rescues. Learn to identify food and water sources.

DSC 107 DC v Marvel

Who would win a fight between Superman and the Hulk? Explore the DC and Marvel Universes. Compare and contrast superheroes and their powers. Learn how to deliver a persuasive speech on who would win. Create your own superhero and develop your own illustrations.



Camp Odyssey (Grades 7-9)

DSC 108 Social Psychology

Have you ever wondered why you act, talk, or interact with your peers the way you do? Start with an introduction to social psychology. Examine your personality as we explore how brain structure and culture can explain only a portion of the question, "Who am I?"

WEEK 5: JULY 5 - JULY 8, 2022

Registration Deadline for Session 5 is Wednesday, June 29, 2022 at Noon. No registrations accepted after deadline. *No Monday class

*Wacky
Wednesday
theme:
Favorite Holiday*

Discovery (Grades K-6)

Grades K-1

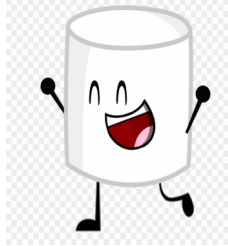
ESC 101 Cave Explorers

Spelunking Discovery style! Students will learn how caves are formed and what animals can be found in them. Students will explore various cave paintings and make one of their own.

Grades 2-3

ESC 102 Marshmallow Mania

Do you love fluffy marshmallows?



Spend the week conducting experiments using them. Estimate how many can fit in a shoe box. Predict how far you can launch one across the quad. Experiment with the density of a marshmallow to make it sink. Create a marshmallow art project and dessert.

ESC 103 Building Blocks of Creativity

Students will utilize Lego style building blocks to work through engineering challenges. How can you create a floodgate that operates? What tower design produces the most structural support? How can you problem solve with limited resources? Students will research, develop plans, build structures, and problem solve when challenging scenarios are given to them.

ESC 104 Lemonade Stand

Discover a variety of math concepts as you manage your lemonade stand. Make business decisions such as pricing, quality of product, inventory, and supplies. Learn to perform various mathematical functions to make your stand successful!



Grades 4-5-6

ESC 105 Archaeology Alive



Learn what a real archaeologist does as you explore techniques used to dig, recover, and document artifacts. Make your own fossil impressions. Investigate to discover clues to our past.

ESC 106 Hogwarts

Experience the world of Harry Potter as we combine literature and art to create projects and art based on the popular book series. Learn about the mythical spells, people, places, and much more. Discuss your favorite books and characters. Investigate Fantastic Beasts from the movie!

ESC 107 Origami

Learn and use basic folds to make almost anything out of paper. Students will make a variety of plant and animal models with increasing complexity. Level up your creativity with the simple art of folding.



Camp Odyssey (Grades 7-9)

ESC 108 Art Expo

Drawing, sculpting, and computer designs are all forms of art. Explore with us as we create unique works of art from these and other various art forms. Students will also be introduced to artists and artwork that relate to their own creations.

WEEK 6: JULY 11 -15, 2022

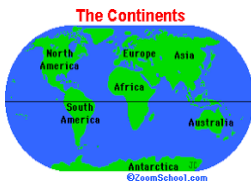
Registration Deadline for Session 6 is Wednesday, July 6, 2022 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
Raider Day*

Discovery (Grades K-6)

Grades K-1

FSC 101 Continents and Culture



Discover the world this week through the exploration of customs and cultures from around the world. Each day explore a different continent and its location. Learn common phrases, games, and songs from across the globe.

Grades 2-3

FSC 102 Artful Antics

Discover the world of art as you explore a different art technique each day. Learn how to papier mâché, paint, draw, sculpt, and more. Use your creativity and explore the many mediums of art.

FSC 103 Night at the Museum



Help historical figures come to life! Learn about famous people from different decades. Stand in as a wax statue of your favorite historical figure in

Discovery's very own museum of History. Create your own costume and show off your wisdom of the past when you come to life for museum visitors!

FSC 104 Young Leaders

Learn the importance of good character and leadership. Explore how one can be a good leader and a great team player through a variety of games and activities. Discover what it means to be a good sport at all times and how to work with others. Develop new skills you can use at home, school, or camp.



Grades 4-5-6

FSC 105 Junior United Nations



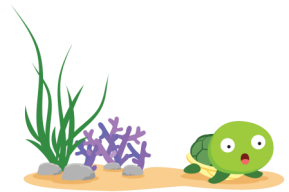
Create your own government. Negotiate with other countries and experience diplomacy at its best. Create your own flag, native crafts, and traditions. Design your country's parliament and develop laws to make your country succeed

FSC 106 Discovery's Got Talent

Ever wonder what it is like to be a super star? Discover song writing, singing, choreography, dancing, and comedy! Don't be shy, come on by and discover your hidden talents.

FSC 107 Sea Life

Watch out shark week! Students will explore how marine animals live and adapt to various environments. How long can a dolphin hold their breath underwater and how do they do it? How does the temperature of water effect marine life? Make your own octopus or jellyfish as you learn about the oceans and what lies beneath.



Camp Odyssey (Grades 7-9)

FSC 108 Life Lessons

Are you ready to move out already? Discover what will help you when it is time. Learn basic skills of cooking, laundry, job etiquette, money management, and more. Get a heads up on important life lessons.

WEEK 7: JULY 18 -22, 2022

Registration Deadline for Session 7 is Wednesday, July 13, 2022 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
Halloween in July*

Discovery (Grades K-6)

Grades K-1

GSC 101 Manipulating Math

Solve math problems in fun and exciting ways. This class will cover a variety of concepts including: graphing, measuring, estimating, recognizing patterns, keeping track of time, and more.

Grades 2-3

GSC 102 Math Games Galore



Students will enjoy creating and playing math games to sharpen their skills. Card games and dice are just a few things this class will use to make math fun.

GSC 103 Wacky Science

Enter the wacky world of science that allows you to explore a different area of science every day. Learn about plants, animals, rocks, ocean creatures, and the human body. Do experiments and conjure up the budding “-ologist” in you.

GSC 104 Rainforest Wonders

Learn about the eco-systems that exist in the canopy of the rainforest. Research your favorite rainforest creatures and discover the climate they inhabit. Explore books on the rainforest and create projects based on your findings.



Grades 4-5-6

GSC 105 Pokemon Adventures

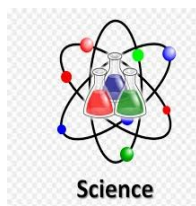


Explore the history of Pokemon. Create your own Pokemon characters and develop their story line. Discuss the success of Pokemon and develop your own marketing plan to get even more people interested. Hands-on learning while utilizing your favorite characters.

GSC 106 Exciting Egypt

Through hands on exploration learn the history of Egypt and how it impacts us still today. Examine pyramids and build your own. Discover hieroglyphics and write your own. Explore mummification and what purpose it served.

GSC 107 Science Myth Busters



What kitchen supplies will clean a penny? Can you squeeze an egg without it cracking? Discover the truth or untruth behind many science myths. Design Investigations, choose experiments, test your theories and do data analysis. Explore the scientific method as you research and test your hypothesis.

Camp Odyssey (Grades 7-9)

GSC 108 Mythology

Explore mythological landscapes through the lens of monsters, gods, and heroes. Put on your toga as you learn about the magic, power, and exciting stories of the past. Students will gain knowledge about Greek, Norse, and Native American myth cultures.

WEEK 8: JULY 25 - 29, 2022

Registration Deadline for Session 8 is Wednesday, July 20, 2022 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
Famous Person*

Discovery (Grades K-6)

Grades K-1

HSC 101 Rhythm and Moves

Explore basic rhythm patterns while playing various percussion instruments. Create your own drums out of common objects. Increase your rhythm as you are introduced to different dance moves and styles.

Grades 2-3

HSC 102 Creative Clay



Coil it, pinch it, and work it with your hands! Using self-hardening clay, you will create many unique clay objects. Express your creativity as you use beads, ribbons, and more to decorate your pottery.

HSC 103 Tree House Magic

Experience the world of Jack and his little sister Annie, as we combine literature and art to create projects based on the popular *Magic Tree House* series. Join us as we enjoy their adventures as they travel through space and time.



HSC 104 Da Vinci Science

Explore gizmos, gadgets, and ingenious inventions! Discover Leonardo and his amazing contraptions. Learn to write in "mirror writing." Experiment with simple machines and build some of your own inventions.

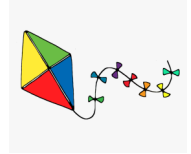
Grades 4-5-6

HSC 105 Fractured Fairy Tales

Write your own fantastic fairy tales and develop a different ending to a familiar tale. Make crafts about the fairy tales you create and read about. Prepare to use your imagination. Students will create adventures to remember.

HSC 106 It Can Fly

Investigate airplanes, hot air balloons, kites, birds, and more. Discover the aerodynamics that allows these items to fly. Work on your own designs to build the most efficient flying contraptions. Use research and trial and error to improve your flying machines.



HSC 107 Physics Fun

Explore magnetism, optical illusions, balloon science, and more as you discover the principles of physics. Participate in many hands-on experiments. Create your own experiments based on physics principles.

Camp Odyssey (Grades 7-9)

HSC 108 Podcasts 101

Learn the ins and outs of creating, writing and voice acting a pod cast. What does it take to make a podcast? How do you tell a memorable story? Students will lay out the foundation of making their own podcast.



WEEK 9: AUGUST 1 - 5, 2022

Registration Deadline for Session 9 is Wednesday, July 27, 2022 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
PJ Day*

Discovery (Grades K-6)

Grades K-1

JSC 101 Snap, Crackle, Pop



Join us as we mix, squish, and create chemical concoctions that may crackle, pop, fizz, or sometimes safely explode. Learn to love experiments early on in school.

Grades: 2-3

JSC 102 Rainbow Art & Science

Embark on an exciting Science-Art fusion. Learn how colors can be combined to make other colors. Students will learn about rainbows and color refraction while creating colorful art pieces.

JSC 103 Go West

Experience frontier life as you make candles, butter, and soap – the old fashioned way. Learn about the trip west on the Oregon Trail and design your own covered wagon.

JSC 104 Green Thumb

Do you ever wonder what you can do to show the earth how much you care? Learn about gardening, re-cycling, and the importance of pollination. Students will make an art bee hive.



Grades 4-5-6

JSC 105 What's Your Point

Improve your speaking and listening skills. Communication is not just spoken words, body language matters. Children will participate in interactive discussions and develop critical thinking skills as they dispute why pineapple does not belong on pizza or why rocky road ice cream is better than cookie dough ice cream.

JSC 106 Ahoy Matey

Join a pirate crew and set sail for an adventure! We will recreate the world of the Golden Age of Piracy, circa 1715. Pirates will spend time each day studying biographies of their fellow pirates, constructing model ships, and identifying parts of a ship.



JSC 107 STEM

Explore & integrate the STEM discipline through authentic hands on projects and real world applications. Let your mind guide you as you learn what engineers, and dynamite doctors do.

Camp Odyssey (Grades 7-9)

JSC 108 Career Choices



What do I want to be when I grow up? Let's figure out your strengths and how they can apply to different jobs. What can I do if I love math? Do I have to be an accountant or are there other options? I love to work with my hands, what can I do? When do I need to make those choices? Definitely not now, but let's explore options.

See you next summer!