

DISCOVERY/ODYSSEY 2019

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/precollege

FEES

Weekly Fee: The fee for each session is \$130. A registration deposit of \$65 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, 2019 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 e-mail 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. Morning only extended care is \$25 per session, per child and evening only extended care is \$40 per session, per child. There is a limited enrollment of 60 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 (per child) for every five minutes late during pickup time will be charged.**

Cancellation/Refund Policy: The registration deposit of \$65 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 \$30 will be deducted from refunds requested after May 1, 2019. 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.

Gifted and Talented: Students selecting courses with *** must submit a school nomination form. Applications must be submitted with a school nomination from a teacher, guidance counselor, principal, gifted coordinator, or private psychologist for students applying for courses designed for gifted/talented students.

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.

Pre-College Office: Our academic year office is in 210 Student Union. **June 1–August 2, 2019 our summer administrative office will be located at 124 Allyn Hall.** All mail should be addressed to Pre-College Programs, Wright State University, 3640 Colonel Glenn Hwy., Dayton, OH 45435.

Holiday: No classes will be held on Thursday, July 4, 2019. All fees will remain the same for this week.

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 1: JUNE 3-7, 2019

Registration Deadline for Session 1 is Wednesday, May 29, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:*

*Favorite Sports
Team/Player*

Discovery (Grades K-6)

Grades K-1

ASC 100 Swimming and Salty Seas

Students will spend the morning studying salty and fresh water creatures, how they swim, what they eat, and how they adapt to their environment. Students will spend an hour each afternoon with WSU lifeguards learning basic swim instruction in small groups. Students must bring their swimsuits and towels each day. Additional \$20 lab fee applies to this course.



ASC 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 2-3-4

ASC 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.

ASC 103 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.

ASC 104 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.

ASC 105 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

ASC 106 Webmaster

Have you ever wanted to make your own Web Page? Learn the basics about developing and creating your own page. Discover how to make links to cool sites, add graphics, and your own pictures. Learn the importance of safety while using the Internet.

ASC 107 Carnival Science

Everyone loves the games at a carnival, but did you know that science plays a role in how easily you can win? At what angle do you want to toss the ball in basket toss? What height, curve, and velocity do you need to score big in skee-ball? What level of water in bottles makes it easiest to knock them down? Create, play, and test a variety of carnival style games. Learn how to make a favorite carnival treat.

ASC 108 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.

AGT 109 * Discovery Court**

Students have a chance to discover what a court room looks and feels like as they take on the assorted jobs. Students will participate in various "trials" to determine who is guilty and who is innocent. Court is in session!

Camp Odyssey (Grades 7-9)

ASC 110 Infrastructures

Explore the world of engineering and building. How are tunnels made to not collapse, what are the various bridges and when are they used, how do skyscrapers stand so tall? Research, discover, and build your own infrastructure in this hands-on class.

ASC 111 Science of Sports

Ever wonder what angle is best used when playing billiards? Is it beneficial to put a spin on a ball? Learn the strategy and physics of sports as you participate in sporting events. Plan and develop your own sporting strategies and theories.

ASC 112 Math Logic

Explore advanced mathematical topics, including integers, equations, fractals, and more. Work on mind benders and logic puzzles. Use critical thinking skills to solve the mystery. Discover short cuts and ways to use logic to make sure you have the correct answer.

***** All 109 courses are Gifted/Talented Courses.
Students must submit a school nomination to enroll.**

WEEK 2: JUNE 10-14, 2019

Registration Deadline for Session 2 is Wednesday, June 5, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:*

*Favorite Book or
Movie Character*

Discovery (Grades K-6)

Grades K-1

BSC 100 I Spy

Discover how to improve your detective skills through the power of observation. Learn logic skills through playing games. Explore how detectives use fingerprints and shoe prints to help in their analysis. Read detective stories.

BSC 101 "Fun"damental Computing

Everyone needs to learn the basics of a computer! Learn basic keyboarding and word processing. Explore various educational games and safe sites of the Internet. Designed to introduce participants to the "fun"damentals of computing.

Grades 2-3-4

BSC 102 Swim – Float – Swim

Students will conduct hands-on experiments to study salt versus fresh water. Using common items students will create boats to float in small bodies of water. Students will spend an hour each afternoon with WSU lifeguards learning basic swim instruction in small groups. Students must bring their swimsuits and towels every day. Additional \$20 lab fee applies to this course.

BSC 103 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.

BSC 104 Knights of the Round Table

Learn what it was like to be a knight in shining armor as you journey through history and study famous castles, kings, and queens. Create your own coat of arms and build your own castle. Build a catapult and practice with different projectiles. Create your own piece of art using a catapult and painted objects.

BSC 105 Rainbows and Unicorns

Grab your diffraction glasses and prisms for a week full of color, light, rainbows, and bubbles. Explore optical illusions and how the eye sees various colors. Make art projects exploring the mixing and blending of colors. Study the mythology behind unicorns while exploring other one horned animals.

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Grades 4-5-6

BSC 106 Skills 4 Life

Learn how to cook a nutritious meal, write a proper thank you note, and balance a check book. Explore decision making choices and critical thinking skills. Get a heads up on important life lessons.

BSC 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.

BSC 108 Art Adventures

Create different projects each day! Learn about basic watercolors, chalk drawing, painting, clay, and more. Students will get a foundation in a variety of art mediums.

BGT 109 * Hands-On Algebra**

Get a head start on Algebra. Topics will include variables, expressions, integers, solving equations, inequalities, factors, fractions, and exponents. Prepare for your next math year at school by getting your mind to think Algebra.

Camp Odyssey (Grades 7-9)

BSC 110 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.

BSC 111 Mock Trial

Learn the different components of a trial while developing critical thinking and persuasive speaking skills. Students will play the roles of attorneys, witnesses, judge, and jurors while engaging in this class.

BSC 112 Español

Get a head start on your high school foreign language requirement. Participants will learn and practice basic conversational Spanish. Explore the cultures and traditions of Spanish speaking countries.

*"Amazing program! I have already recommended one friend check you guys out next year. My child had the BEST SUMMER EVER and it's all thanks to you guys."
Parent 2018*

WEEK 3: JUNE 17-21, 2019

Registration Deadline for Session 3 is Wednesday, June 12, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
Wacky Tacky
Mismatch*

Discovery (Grades K-6)

Grades K-1

CSC 100 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.

CSC 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 2-3-4

CSC 102 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.

CSC 103 Junior Detective

Put your crime scenes skills to the test when you learn about fingerprints, handwriting analysis, and more. Learn how to interview suspects and how detectives use logic and reasoning to solve mysteries.

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.

CSC 105 The Great Outdoors

It's great to be outdoors in the summer. Students will learn about plants, birds, and creepy-crawly things. Learn about the calls and colors of common birds. Make a bird feeder to take home.



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Grades 4-5-6

CSC 106 Super Science Sleuths

Learn the physics and chemistry behind magic as you make things appear, disappear, and levitate. Explore concepts of light, mirrors, and more. Try your hand at juggling and card tricks.

CSC 107 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.



CSC 108 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.

CGT 109 * 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 the principles of physics.

Camp Odyssey (Grades 7-9)

CSC 110 Movie Magic

Explore movie making using computers. Learn how to add interest with photos, videos, music, titles, and more. Develop a commercial. Learn how to work in groups and individually on different projects.

CSC 111 Delicious Desserts

Create a variety of desserts from healthy to decadent. Learn the science behind baking. What happens to a cake without a rising agent? Can you make an egg free cake? Experiment with no bake options, microwaved, and traditional baking methods.

CSC 112 Laws of Motion

Are you a fan of physics? Explore Newton's of motion through a variety of hands-on experiments. Use Newton's second law to create a faster moving toy vehicle.

WEEK 4: JUNE 24-28, 2019

Registration Deadline for Session 4 is Wednesday, June 19, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
Crazy Hair/Hat*

Discovery (Grades K-6)

Grades K-1

DSC 100 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.

DSC 101 Nature 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 2-3-4

DSC 102 Engineering Challenge

What do parachutes, potato chips, and the sun have in common? All of these will be explored during this class. Can you mail a potato chip without it breaking? Can you cook with only solar power? Can you safely land a cup of water without it spilling using no lid but a parachute you design? Learn how to take on challenges that will test your logic and reasoning skills.

DSC 103 Dollars and Sense

Why are candy bars placed next to the check-out aisle? Explore how advertisements influence you. Create your own marketing campaign. Develop a budget to help you save money.

DSC 104 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!

DSC 105 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.

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Grades 4-5-6

DSC 106 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.



DSC 107 Roald Dahl Cooking Creations

Do you love the books *Charlie and the Chocolate Factory*, *Matilda* or *The BFG*? Author Roald Dahl has created a cookbook making creations from his many books and movies. Put your cooking and artistic skills to the test as you create. Spend time discussing your favorite Dahl characters.

DSC 108 Prezis, PowerPoints, and Photos

Spend a week learning how to improve your computer presentation skills. Research information to create Prezis and PowerPoints. Discover how to digitally edit photographs to enhance your presentations. Learn the importance of citing your sources.

DGT 109 * Spanish 101**

Learning a foreign language can be fun. Learn Spanish greetings, colors, numbers, and the alphabet. Games, crafts, and hands-on projects will introduce the Spanish culture.

Camp Odyssey (Grades 7-9)

DSC 110 If You Build It

Develop a cardboard boat that will float while holding a teammate. Design an egg contraption to protect dropped eggs. Create your own invention to make life easier. Prepare to research science, use your logically thinking skills, and trial and error to invent something new.

DSC 111 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.

DSC 112 Dissecting Disney

Explore a variety of Disney movies in order to compare and contrast them to the original versions of the stories in history. Where did the story originate? Did the protagonist change from the original story?

WEEK 5: JULY 1-5, 2019

Registration Deadline for Session 5 is Wednesday, June 26, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Thursday
theme:
Cultural Heritage*

Discovery (Grades K-6)

Grades K-1

ESC 100 Kitchen Chemistry

Come and see what you can concoct as we make something out of nothing using common household ingredients. Create clay, chalk, putty, and more.

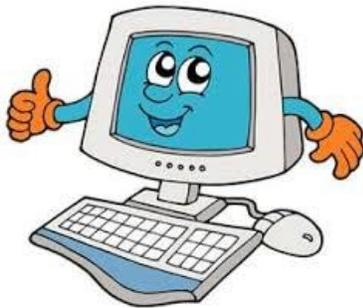
ESC 101 Hola Amigos

Learning another language can be easy. Participants will learn Spanish greetings, colors, numbers, and the alphabet. Games, crafts, and hands-on projects will introduce the Spanish culture.

Grades 2-3-4

ESC 102 Computer Skills

Take this class to learn all the basics of Microsoft Word, Publisher, and Excel. Students will learn safety tips while using the computer including how to deal with cyber bullying. Practice basic keyboarding skills as well.



ESC 103 Kids and Cooking

Have fun mixing, measuring, and munching. Learn about the food plate, vitamins, minerals, and calories. Make and eat delicious and healthy foods.

ESC 104 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 explore their adventures as they travel through space and time.

ESC 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.

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There will be no class on Thursday, July 4, 2019. All fees for this week remain the same. This week for Wacky Wednesday: Cultural Heritage. Students can wear clothing representing their culture and/or patriotic.

Grades 4-5-6

ESC 106 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 107 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.

ESC 108 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.

EGT 109 * 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.

Camp Odyssey (Grades 7-9)

ESC 110 Give Me Some Space

The sky is the limit with this course. Learn about stars, planets, black holes, galaxies, and space travel. Explore the possibility of extraterrestrial life.

ESC 111 Laugh Factory

Great comedy doesn't just happen, it has to be crafted, and that starts with writing. Learn the basic principles of comedy, including satire and parody. Create skits, parody songs, and fake newscasts as you explore your funny side.

ESC 112 Japan and Anime

Interested in studying about the land where manga and anime were invented? Excited to learn some basic Japanese? Explore the culture of Japan and the popularity of anime in this class.

WEEK 6: JULY 8-12, 2019

Registration Deadline for Session 6 is Wednesday, July 3, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
Halloween in July*

Discovery (Grades K-6)

Grades K-1

FSC 100 Cave Explorers

Explore crystals, stalactites, bats, and more while you study caves. Make crafts, read books, and use your imagination as you discover the interesting facts about cave explorations.

FSC 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 2-3-4

FSC 102 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.

FSC 103 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.

FSC 104 Toymakers

Hand-made toys have been a part of the lives of children for centuries. Make your own toy as you learn how to create toys from wood, fabric, and more. Discover the history of some of the first toys used by children in the

FSC 105 Building Blocks of Creativity

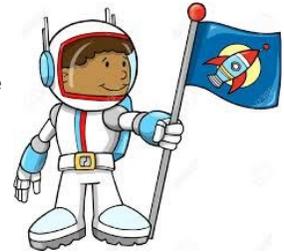
Students will utilize Lego style building blocks to work through engineering challenges. How can you create a floodgate that operates? What tower design produces the most structural support? How can you problem solve with limited resources? Students will research, develop plans, build structures, and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

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Grades 4-5-6

FSC 106 Space Odyssey

Explore outer space and become an amateur astronaut by studying planets, constellations, and the phases of the moon. Simulate discovery of a new planet and civilization.



FSC 107 Delicious Desserts

Create a variety of desserts from healthy to decadent. Learn the science behind baking. What happens to a cake without a rising agent? Can you make an egg free cake? Experiment with no bake options, microwaved, and traditional baking methods.

FSC 108 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.

FGT 109 * 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)

FSC 110 Webmaster

Have you ever wanted to make your own Web Page? Learn the basics about developing and creating your own page. Discover how to make links to cool sites, add graphics, and your own pictures. Learn the importance of safety while using the Internet.

FSC 111 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.

FSC 112 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 7: JULY 15-19, 2019

Registration Deadline for Session 7 is Wednesday, July 10, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
Super Heroes*

Discovery (Grades K-6)

Grades K-1

GSC 100 Weather Watchers

When you get up each morning do you check out your window to see what kind of weather we are having? In this class, students will learn about weather and what causes rain, snow, sleet, hail, and storms. Students will do hands-on experiments and create their own weather instrument.

GSC 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 2-3-4

GSC 102 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. Create your own magnetic slime.

GSC 103 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!

GSC 104 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.

GSC 105 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 forms as art is made all around us.

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Grades 4-5-6

GSC 106 CSI

Learn to solve crimes by gathering evidence including fingerprints, chromatography, shoeprints, and more. Discover the importance of using good logic to help solve the crime. Practice your interviewing skills and learn what questions are important to ask.

GSC 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.

GSC 108 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.

GGT 109 * Starting From Scratch**

Computer programming for beginners. Scratch block programming from MIT will be used to create stories and interactive games on the computer. No prior experience needed. Just some creativity and a lot of imagination to help get you started into the world of computer science. This class is at a beginner's level and not for those with coding expertise.

Camp Odyssey (Grades 7-9)

GSC 110 Forensic Science

Curious about a career in science? Learn various skills used by investigators to solve a crime: fingerprints, shoeprints, hair analysis and more. Put your skills to the test to solve the "crime scene."

GSC 111 Dynamic Dramatics

Participants will learn the fundamentals of the theatre; stage directions, physical and vocal exercises, improvisation, theatre games, and much more. Students will display their dramatic side on the last day of camp.

GSC 112 Geometric Challenge

This problem-based geometry class will introduce you to fundamental geometric theories. Use logic and reasoning to connect mathematical processes for real world applications.

GEOMETRY

WEEK 8: JULY 22-26, 2019

Registration Deadline for Session 8 is Wednesday, July 17, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:*

*Flash Back:
Favorite Decade*

Discovery (Grades K-6)

Grades K-1

HSC 100 Art and Science Safari

Set your compass for an adventure. Explore different trees, animals, bugs and their habitats around campus. Create art projects using natural resources you find while exploring!



HSC 101 Math Patterns

Discover the rhythmic side of math. See how patterns emerge in addition and subtraction. Learn to tell time and determine the patterns involved with seconds, minutes, and hours. Develop your own pattern key to help you.

Grades 2-3-4

HSC 102 Sea Life

Curious about the life cycle of a sea turtle? Do you wonder if all sharks are aggressive? Study sea life in this class and learn how to help our oceans stay clean. Create your perfect sea animal by combining traits of different sea animals.

HSC 103 Cartoon Comics

Put your creativity and drawing skills to the test! Learn how to draw cartoon characters and caricatures. Add special effects to make your cartoon creations unique. Create your own Discovery Comics to share with others.

HSC 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.

HSC 105 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.

Grades 4-5-6

HSC 106 Mathtastic

Do you want to learn methods that will help you solve problems and understand math? Topics include spatial visualization, logic problems, and geometry. Discover short cuts to math and learn how math can be fun and fantastic.

HSC 107 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 108 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.

HGT 109 * 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.

Camp Odyssey (Grades 7-9)

HSC 110 Prezis, PowerPoints, and Photos

Spend a week learning how to improve your computer presentation skills. Research information to create Prezis and PowerPoints. Discover how to digitally edit photographs to enhance your presentations. Learn the importance of citing your sources.

HSC 111 Leadership

Learn the importance of good character. Complete a variety of tasks that require cooperation and leadership. Improve on your problem solving, conflict resolution, decision making, and communication skills. Discover your leadership style.

HSC 112 Go Government

Learn about the three separate branches of government and find out what it takes to be a leader in government. Create your own government, rules, and regulations. Explore voting procedures as you elect your own leaders.

***** All 109 courses are Gifted/Talented Courses. Students must submit a school nomination to enroll.**

*"My child loves the programs offered, the instructors, and the summer friendships."
Parent 2018*

WEEK 9: JULY 29-AUG. 2, 2019

Registration Deadline for Session 9 is Wednesday, July 24, 2019 at Noon. No registrations accepted after deadline.

*Wacky
Wednesday
theme:
PJ Day*

Discovery (Grades K-6)

Grades K-1

JSC 100 Discovering Dinosaurs

Have you wondered what happened to the dinosaurs of long ago? Study different dinosaurs, what they ate, where they lived, and discover how scientists have learned so much about them.

JSC 101 Dr. Seuss on the Loose

Join *The Cat in the Hat* and other Dr. Seuss books for a fun-filled week of literature and art. Create your own Seuss-like character and write a rhyming story.

Grades: 2-3-4

JSC 102 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.

JSC 103 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.

JSC 104 Fun with French

Discover the French culture through their food and language. Learn basic French greetings and words. Participate in games, songs, cooking, and more.

JSC 105 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.

"It was a nice mix of educational and outside play. It kept my talented child interested which can be hard to do. Before and after care is a job saver for working parents like us. Smooth drop off and pick up system. We liked that there were different subject/topics each week with choices!"
Parent 2018

***** All 109 courses are Gifted/Talented Courses. Students must submit a school nomination to enroll.**

Grades 4-5-6

JSC 106 Movie Magic

Explore movie making using computers. Learn how to add interest with photos, videos, music, titles, and more. Develop a commercial. Learn how to work in groups and individually on different projects.

JSC 107 Pokémon Adventures

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

JSC 108 Exciting Egypt

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

JGT 109 * Design Dreamers**

Like to overcome a challenge? How can you overcome physics to build a tent or table out of newspaper? Using minimal resources, how can you mail a single potato chip without it breaking? Can you build a bridge that can withstand enough weight? Students will be encouraged to dream, design, build, and test in this class.

Camp Odyssey (Grades 7-9)

JSC 110 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.

JSC 111 Debater's Club

Have you ever felt strongly about a controversial issue but felt unable to state your point? Improve your public speaking and your ability to analyze data while preparing for various debates. Learn debate etiquette and how to research both sides of a topic. Participate in multiple debates throughout the week.

JSC 112 Chemistry H2O

Experiment with molecules, heat, crystals, acids, and bases. Identify the properties of these substances while learning the fundamentals of chemistry.

See you next summer!