

2018 Academic Summer Camps

with tuition support for rising 7th-12th grade **public school** students in Lee, Pontotoc, and Union Counties provided by the Toyota Wellspring Education Fund, a fund of the CREATE Foundation

Mississippi State University



To obtain more detailed information on any of these camps at MSU, please visit:
<http://ce.extension.msstate.edu/programs/summer-camps/2018>

ASAP: Accelerating Students into the Accounting Profession

July 15-18

A fun-filled and interactive three-day camp designed for rising high school seniors (who have taken the ACT and/or SAT) to create an interest in accounting and provide an overview of the various career opportunities within the accounting profession.

The participants will attend instructional seminars focused on enhancing professional development and success, developing team-building/leadership skills, and gaining a new perspective of the accounting profession. In addition, participants will hear from business professionals and take a tour of local firms or industries to give a first-hand look into audit, tax, or advisory services.

Website: <https://www.business.msstate.edu/asap/>

Contact: Krystle Dixon, Academic Coordinator, 662-325-1631, kdixon@business.msstate.edu

BATMEN Academy

July 8-13

Just as the Dark Knight is the ultimate engineer, this program is the ultimate engineering academy for young men who are enrolled in grades 7-9 for the 2018-2019 school year. Participants will learn about the different fields of engineering and work on a variety of hands-on, minds-on projects over the course of the week. Participants will stay on campus for the week in order to gain a glimpse into university life. Application packet must include recent transcripts, reference letters, and personal essay. Applicants must have a cumulative GPA of at least a 3.0 for consideration.

Website: <http://www.bagley.msstate.edu/outreach/summer-engineering-academies/>

Contact: Dr. Vemitra White, 662.325.8277, bagleysummer@gmail.com

Bulldog Bytes:

Cyber Dawgs I (Introductory)

July 15-19

Cyber Dawgs II (Advanced)

July 22-26

Participants will learn about cyber security, digital forensics, and computer programming with hands-on projects. The camp curriculum is for beginner and intermediate computer and cyber learners, so applications that demonstrate students have an interest in, but limited experience with, computer science will be given preference.

Website: <http://www.bagley.msstate.edu/outreach/summer-engineering-academies/>

Contact: Dr. Sarah Lee, 662.325.2758, sblee@cse.msstate.edu

Bulldog Bytes: Digital Divas

July 8-12

This 4-night residential camp is built around a project-based curriculum, believing that play, inquiry, teamwork, and problem solving are important aspects of learning environments. In a girls-only environment, campers (1) will learn about cyber security and digital citizenship (including online safety) (2) will learn about digital forensics with hands-on case study projects (including how information that is deleted is not really deleted!), (3) will learn to program using an Amazon Fire tablet and Sphero robot, (4) will have the opportunity to hear from and speak with women working in computing careers and other careers that use computing, and (5) will learn to work together in teams to implement project designs and solve problems. All campers will take their tablet and robot home with them at the end of the camp to continue learning and share their knowledge with peers.

Website: <http://www.bagley.msstate.edu/outreach/summer-engineering-academies/>

Contact: Dr. Sarah Lee, 662.325.2758, sblee@cse.msstate.edu

Conservation Camp: Discovery Days (Girls Only)

June 11-14

Discovery Days Edition is a residential camp based at MSU for rising 8th graders through 2017 graduates. Girls Only! If you think you might want to be a field biologist, environmental educator or a wildlife veterinarian, sign up to experience what it is like. Learn from an all-female staff of successful biologists. This is an outdoor-based camp, so participants should be able to tolerate activities conducted outside in the Mississippi summer heat.

Website: www.cfr.msstate.edu/wildlife/conservation_camp/

Contact: Dr. Leslie Burger, Director, 662.325.6686, leslie.burger@msstate.edu

Conservation Camp: Wildlife & Recreation

June 3-6

Dive into hands-on learning about Mississippi's wildlife, conservation careers, and outdoor recreational opportunities, including fishing, archery and canoeing. This residential camp also offers the option for certification in Hunter Education. All instructors are professional biologists, scientists, and graduate students in these specialties.

Website: www.cfr.msstate.edu/wildlife/conservation_camp/

Contact: Dr. Leslie Burger, Director, 662.325.6686, leslie.burger@msstate.edu

Design Discovery

June 8-15

The School of Architecture within the College of Architecture, Art, and Design (CAAD) at Mississippi State University is offering an eight-day summer workshop that is intended to answer many of the questions about design and architecture as fields of study and as professions. The major goal of the workshop is to simulate the information, skill, and intensity required for a design education, while providing a clear insight into the practice of architecture. With this experience it will be possible for the participants to make an informed career decision about architecture and its related design disciplines.

Website: http://www.caad.msstate.edu/caad_web/sarc/designdiscovery.php

Contact: Phyllis Davis-Webber, 662.325.2202, pdavis@caad.msstate.edu

Horticulture & Landscape Architecture Camp

June 10-13

The Horticulture and Landscape Architecture Camp explore activities in landscape architecture, floriculture, floral design, nursery management, turfgrass, vegetable and fruit production. The camp will run from Sunday afternoon until Wednesday afternoon. The camp is for students between the ages of 15-17. The cost is \$175 per student and will cover rooms, meals and course materials at Mississippi State University. Participation will be limited to the first 30 students. Applications due by May 25, 2018.

Website: <http://ce.extension.msstate.edu/programs/summer-camps/2018/horticulture-and-landscape-architecture-summer-camp>

Contact: Kathy Johnson, 662.325.2311, kathy.johnson@msstate.edu

iCREATE: Creative Retail, Entrepreneurship, Apparel & Technology Enrichment

July 17-23

iCREATE provides an exciting pre-college summer program for teens interested in the building a brand or company through fun, hands-on experiences, workshops, and projects. This intensive and innovative program is for high school teens (ages 14-17), which are interested in launching their own business, blog, brand, or website related to fashion, technology, or innovations available to consumers. *iCREATE* not only provides a college-like experience for teens, but also shows how turn a desire or passion to start your own business into a successful brand and career. Students, educators, and industry professionals will provide an inside view to the many facets of the industry, with hands-on learning experiences and projects. Space is limited to only 30 students!

Website: <http://ce.extension.msstate.edu/programs/summer-camps/2018/icontains-creative-retail-entrepreneurship-apparel-technology-enrichment>

Contact: Charles Freeman, 662.325.1293, cf617@msstate.edu

iDesign Camp

June 4-8

The Interior Design Program in the College of Architecture, Art and Design at Mississippi State University will offer a five day/four night residential summer workshop, **idesign**, to provide a glimpse into the role and impact of design and creativity involved in the field of interior design. Design strategies and projects will be developed in a positive atmosphere to help students understand both the challenges and opportunities afforded by careers in design fields.

Students will be introduced to structured experiences that systematically engage them in a design process through “making – testing – critiquing – and then remaking again”. We actively encourage experimentation and a willingness to try new things as each student creates their own path of experiences to a realization that “**idesign**.”

Website: <http://ce.extension.msstate.edu/programs/summer-camps/2018/idesign>

Contact: Amy Crumpton, 662.325.5753, acrumpton@caad.msstate.edu

In-Vision Camp

June 11-15

An exciting, intensive, one week summer program to introduce students to majors in the studio fields of art and design. You'll have the opportunity to work and socialize with other students from diverse backgrounds interested in making and talking about art. Students will have full days that include fundamentals of drawing and design, building with three dimensional materials and computer art applications, as well as exciting classes introducing students to screen printing, bookmaking, and experimental art forms. At the end of the program students will exhibit their work at the Visual Arts Center Gallery.

Website: <http://caad.msstate.edu/wpmu/in-vision/>

Contact: Christina Vanderberg, 662.325.2970, in-vision@caad.msstate.edu

Summer Scholars On-Stage: Writers/Production Camp

June 24-July 15

Summer Scholars On-Stage: Production Camp

June 30-July 15

Summer Scholars On-Stage camps consist of a one-week writer's camp which is followed by a 2-week production camp. Students may apply for all three weeks or for the two week camp only.

Junior and Senior high students may audition for and to attend residential June camps, during which they (week one) write an original musical comedy; then (weeks two & three) attend classes about vocal music, dance, drama, and set design, rehearse, and produce two free musical comedies to the public.

Website: <http://www.summerscholarsonstage.msstate.edu>

Contact: Dr. Joe R. Underwood, 662-323-8969(h) or 662-312-2911(c), joeray01@bellsouth.net

Veterinary Camp

May 31-June 10

A **hands-on experience**. Interactive labs engage all your senses. You see, feel, smell and hear about animals from the view of a veterinarian. The **real instructors and professors** from Mississippi State University College of Veterinary Medicine will ignite your curiosity about everything from anatomy and microbiology to radiology and physical exams. **You'll learn** about the wide variety of career options from small to large animal, public health to pathology, research to pet health. Spend your time **working side by side** with current veterinary students as counselors to **explore the world** of veterinary medicine. Most important of all – **it's just plain FUN** to hang out with Animal People doing Animal Stuff!

Website: <http://cvm.msstate.edu/outreach/veterinary-camp>

Contact: Dr. Brittany Moore-Henderson, 662-325-1131, brittany.henderson@msstate.edu

WONDER Women Academy

July 15-20

“Wonderful, Outstanding, Noteworthy, & Determined, Engineering Ready Women” WONDER Women will be a residential summer camp for young women entering the 6th grade through young women entering the 8th grade. The young ladies will experience what it means to be a female in engineering. They will explore all 8 different engineering departments here at MSU, including mechanical, civil, chemical, biomedical, and electrical, computer science, industrial, and aerospace, through different activities. Each young lady will receive a copy of *Through My Window* by Sonia Ellis. It is a book allowing women to delve in to the world of artificial intelligence, engineering design, and engineering ethics. Throughout the camp, the young ladies will be doing activities directly related to the novel. During the students' time with us, they will hear from a broad audience of women in engineering here at MSU and we will have roundtable discussions on how to be a successful woman in the engineering field. This camp is to promote an encouraging environment, hopefully leading these women to choose a path in engineering.

Website: <http://www.bagley.msstate.edu/outreach/summer-engineering-academies/>

Contact: Dr. Vemitra White, 662.325.8277, bagleysummer@gmail.com

Rural Medical & Science Scholars

July 7-August 3

(1 scholarship from each of the 3 counties)

High School Juniors, get a jump-start on college and explore a career in health or science! Spots are limited, so apply today for our Rural Medical & Science Scholars Program.

For 4 weeks this summer, you will--

- take two college-level pre-med courses (biology and individual and family nutrition) earning 7 college credits
- visit the UMMC School of Medicine and talk to faculty and students while also engaging in a simulation lab experience
- experience the day-to-day practice of medicine by shadowing doctors as they work
- earn certification as a Junior Master Wellness Volunteer
- participate in practical learning workshops such as Scholars in the Kitchen; Medicinal Aspects of Botanical Plants; Suturing Techniques and One Health; Biosecurity in the Age of Avian Influenza; Injury and Illness Simulation
- engage in workshops focused on communication and team-building skills, study skills, and critical thinking
- make new friends with similar interests and goals
- live on campus at MSU and get a taste of college life

There is a \$2400 registration fee, once accepted into the program. Tuition, books and room are provided through a special scholarship from CREATE/Toyota Foundation.

Contact: Director, Ann Sansing, 662-325-4043 or asansing@ext.msstate.edu

Rural Medical Scholars website: <http://extension.msstate.edu/rms>

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University of Mississippi



Non-Credit Summer Programs – High School

ABC++ Code Writing (Rising 9th-12th grades)

http://www.outreach.olemiss.edu/pre_college/coders/index.html

June 24 – June 29, 2018

ABC++ is a crash course in code writing and programming. Students will explore different programming languages, such as Python, JAVA, and C++, and how they apply when designing. This is an intensive programming camp for those truly aspiring programmers. All levels of skill are welcome.

Backstage Magic (Rising 10th-12th grades)

http://outreach.olemiss.edu/pre_college/backstage_magic/

June 17 – June 22, 2018

Backstage Magic is a one-week, intensive stagecraft camp that explores the design and fabrication of theatrical scenery and props. Nationally recognized designers share tips and tricks for creating the scenery and props for professional theatre. Gain skills in designing and fabricating props, engage in scene painting projects, and participate in mini-workshops in lighting, rigging, scenic carpentry, and special effects.

CSI Camp (Rising 9th-12th grades)

<http://www.aafs.org/students/csi-summer-camps/>

July 15 – July 20, 2018

With today's explosion of television programs and media coverage of the latest advancements in the forensic sciences, young people have become fascinated with anything relating to the work of the forensic scientist. The **CSI Summer Camps** were developed to give hands-on experiences to students who love puzzles, science museums, and watching forensic science television shows.

Eco Footprint Workshop (Rising 9th-12th grades)

http://www.outreach.olemiss.edu/pre_college/eco_footprint/index.html

June 10 – June 15, 2018

In **Eco Footprint**, we will investigate water quality, food production, energy usage, and waste production. We will be exploring these topics through a series of hands-on lab investigations and memorable field trips.

Introduction to Engineering (Rising 9th-12th grades)

http://www.outreach.olemiss.edu/pre_college/engineering/index.html

June 10 – June 15, 2018

Introduction to Engineering is designed for students who show a great interest in mathematics and science and have a desire to further their knowledge in those areas. Throughout the week the students will experience engineering firsthand and will be exposed to the different types of engineering (i.e. chemical, geological, etc.) and careers available in these fields.

Orchestra String Workshop (Rising 9th-12th grades)

http://www.outreach.olemiss.edu/pre_college/string_workshop/index.html

June 4 – June 8, 2018

Orchestra String Workshop is designed for students who have experience on the violin, viola, cello, or bass. We have places for beginner, intermediate, and advanced students. The goal of the program is to offer an environment where students can work with university music professors to improve their string playing, both alone and with others of similar ability levels in a relaxed, fun, and creative environment.

Rebel Chefs Cooking Camp (Rising 9th-12th grades)

http://www.outreach.olemiss.edu/pre_college/cooking/index.html

July 8 – July 13, 2018

Students will be immersed in a week of cooking, baking, and learning about local produce and nutrition. Participants will spend time in the classroom and the kitchen every day. They will learn about food and kitchen safety, basic and advanced cooking techniques, and will prepare their own dishes. Students will also take trips to local community markets and gardens and will discuss with farmers and nutritionists the importance of eating local and eating in season.

Young Naturalist Workshop (Rising 11th-12th grades)

http://www.outreach.olemiss.edu/pre_college/young_naturalist/index.html

July 8 – July 13, 2018

The **Young Naturalist Workshop** is for rising high school juniors and seniors who want hands on experience studying the flora and fauna of the southeast in its natural environment. Participants will learn how to identify vertebrates including birds, reptiles, amphibians and fish, as well as other organisms and the surrounding common flora. Participants will work with scientists to learn collecting techniques, how to take and keep field notes, museum labeling preservation methodologies, and how to measure quantifiable ecological data including behavioral observations. Participants will also learn how applied ecologist use ecological principles to restore habitat and natural resources.

Young Women's Empowerment (Rising 9th-12th grades)

http://www.outreach.olemiss.edu/pre_college/womens_leadership/index.html

July 8 – July 13, 2018

The **Young Women's Empowerment Workshop** explore the importance of women in leadership positions. Women leaders from the university and community at large—from professors and politicians to entrepreneurs and entertainment leaders—will give insight. Participants will attend workshops and lectures in the morning and shadow leaders in the afternoon.

Non-Credit Summer Programs – Middle School

Engineering Camp (Rising 6th-8th grades)

http://www.outreach.olemiss.edu/pre_college/engineeringcamp/index.html

Session 1: June 3 – June 8, 2018

Session 2: June 17 - July 22, 2018

Engineering Camp is designed for students who show a great interest in mathematics and science and have a desire to further their knowledge in those areas. The goal of the camp is to offer an environment in which students can experience engineering firsthand and to expose them to the different types of engineering (i.e. chemical, geological, etc.) and careers available in these fields. Time will also be devoted to exploring the rewards and challenges associated with the study of STEM.

It's Dangerous to Go Alone: Game Development Camp (Rising 6th-8th grades)

http://www.outreach.olemiss.edu/pre_college/game_development/index.html

July 22 - July 27, 2018

"Hey, Listen!" **It's Dangerous to Go Alone** is an exploration of gaming and game creation. At this camp we will look at how game creators develop storylines and characters, different art styles, gaming platforms, and more! This will be an opportunity to not only play different games, but to critique them and learn how to develop your own game and game styles.

Jr. Leadership Camp (Rising 6th-8th grades)

http://www.outreach.olemiss.edu/pre_college/jr_leadership_camp/index.html

June 24 – June 29, 2018

Jr. Leadership Camp is designed to prepare students for leadership roles they may face in middle school and high school organizations and extracurricular activities. This camp seeks to engage students as they learn about past and present positive leaders in the world, assist them in sharpening their leadership skills, inspire them to seek out leadership roles in their community, and expose them to college majors and career opportunities related to leadership.

Orchestra String Workshop (Rising 7th-8th grades)

http://www.outreach.olemiss.edu/pre_college/string_workshop/index.html

June 4 – June 8, 2018

Orchestra String Workshop is designed for students who have experience on the violin, viola, cello, or bass. We have places for beginner, intermediate, and advanced students. The goal of the program is to offer an environment where students can work with university music professors to improve their string playing, both alone and with others of similar ability levels in a relaxed, fun, and creative environment.

Rebel Chefs Cooking Camp (Rising 6th-8th grades)

http://www.outreach.olemiss.edu/pre_college/cookingcamp/index.html

Session 1: July 15 – July 20, 2018

Session 2: July 22 - July 27, 2018

Students will be immersed in a week of cooking, baking, and learning about local produce and nutrition. Participants will spend time in the classroom and the kitchen every day. They will learn about food and kitchen safety, basic and advanced cooking techniques, and will prepare their own dishes. Students will also take trips to local community markets and gardens and will discuss with farmers and nutritionists the importance of eating local and eating in season.

Reduce, Reuse, Recycle (Rising 6th-8th grades)

http://www.outreach.olemiss.edu/pre_college/reduce_reuse_recycle/index.html

June 10 – June 15, 2018

Reduce, Reuse, Recycle is designed to allow students the opportunity to explore methods for living more sustainably and acting as responsible stewards of our environment. Topics will include environmental science, sustainability, composting, conservation, and recycling. Students will be able to participate in on and off campus activities including crafts, experiments, composting, recycling, and tours of local, sustainable, environmentally conscious organizations.

STEM Camp for Boys (Rising 6th-8th grades)

http://www.outreach.olemiss.edu/pre_college/stemcamp_boys/index.html

July 8 – July 13, 2018

STEM Camp for Boys is a week-long camp that provides boys in rising 6th-8th grades an opportunity to explore the fields of science, technology, engineering, and mathematics. Each day will focus on one concentration. Men working in these fields will host lectures each morning and campers will spend the afternoons participating in hands-on activities related to the day's topic. Tours of related and interesting facilities will also be conducted throughout the week.

STEM Camp for Girls (Rising 6th-8th grades)

http://www.outreach.olemiss.edu/pre_college/stemcamp/index.html

July 15 – July 20, 2018

STEM Camp for Girls week-long non-credit camp that provides girls in rising 6th-8th grades an opportunity to explore the fields of science, technology, engineering, and mathematics. Each day will focus on one concentration. Women working in these fields will host lectures each morning and campers will spend the afternoons participating in hands-on activities related to the day's topic. Tours of pertinent facilities will also be conducted throughout the week.

Credit Summer Programs – High School (by invitation only)

Lott Leadership Institute for Rising 9th Graders (BY INVITATION ONLY – High School Credit)

<https://lottinst.olemiss.edu/high-school-students/for-rising-9th-graders/>

Session 1: June 10 - June 22, 2018

Session 2: July 8 - July 20, 2018

The **Lott Institute for Rising Ninth Graders**, a partnership between the University of Mississippi's Lott Leadership Institute and the Division of Outreach, is a program designed to develop critical thinking and leadership skills in soon-to-be high school freshmen. Its aim is to cultivate and inspire honest, compassionate, and responsive leaders who will focus on responsibility and stewardship. The overall goal being that students who complete the program will return to their high schools and put the new skills to work for the betterment of the community.