Summer Enrichment Workshop
for Gifted and Talented Students

THE UNIVERSITY OF ALABAMA
College of Education
Department of Special Education and Multiple Abilities
Summer Enrichment Workshop (SEW) is an annual program for gifted and talented students sponsored by the Multiple Abilities Program in Special Education at The University of Alabama.

Students who have completed grades K through 6 and are enrolled in gifted programs, with consideration for other qualified students as space permits, are invited to attend.

The majority of teachers in SEW are interns working toward a degree/certification in education. Our Master Teachers are already teaching in school and are graduates of the Multiple Abilities Program or gifted teachers. SEW 2022 is directed by Sharron Maughn in The University of Alabama’s Multiple Abilities Program in the College in the Education.

During the three-week program, students are enrolled daily in two sessions (each 1 hour, 45 minutes) with a refreshment break between the sessions.

Summer Enrichment Workshop provides outstanding experiences for both students and UA interns in small, personalized classes, and enrollment in SEW 2022 will be strictly controlled on a first-come, first-served basis.

Monday, June 6 through Friday, June 24, 2022 from 8:00 -11:45 a.m.

Verner Elementary
Tuscaloosa, AL 35406

Send completed registration form, course selection form for the grade level completed, and $175 check (This includes a $25 non-refundable registration fee) made payable to Summer Enrichment Workshop to:

Summer Enrichment Workshop
The University of Alabama
College of Education
Box 870232
Tuscaloosa, AL 35487-0233

We will not deny participation based on financial situations. Please contact us for scholarship information.

No refunds after May 6th.
Any cancellations prior to May 6th will receive a refund minus the $25 processing fee

REGISTRATION DEADLINE
May 6th, 2022
*After May 6th, call for course availability.
Please read the Course Option descriptions for the correct grade level (the grade your child has completed) before attempting to make your course selection. Once you have decided, please choose three courses per time slot (where available), ranking those choices with a 1, 2, and 3. Make sure to enter first, second, and third choices for BOTH Session A and Session B (your top three rankings in Session A and session B).

We will make every effort to schedule each child into one of his/her first choices. However, when a class is filled, students will be scheduled into their second or third choices; first-choice placements cannot be guaranteed. Keep in mind that sometimes students acquire an interest in something as a result of exploring new topics during special events like SEW. Therefore, even a second or third choice may, in fact, become a future interest area for students. As in the past, students will be notified by mail as to their course placements. Letters will be mailed by the week before SEW begins. Please assume that your child is enrolled unless otherwise notified.

Summer Enrichment Workshop enrollment is on a first-come, first-served basis. SEW enrollment will be strictly controlled to allow for optimally small class sizes. Please return your CHECK, the REGISTRATION FORM, and the COURSE SELECTION FORM for the grade level just completed by the student by MAY 1 to

ATTN: Summer Enrichment Workshop
The University of Alabama
College of Education
Box 870232
Tuscaloosa, AL 35487-0233

For more information, please contact: (205) 348-6093.
Grades K - 1 Courses
Session A, 8:00am - 9:45am

JOURNEY TO CHINA
Ice cream! Fireworks! Noodles! Some of our most favorite things come from China! Journey with us and explore the inventions, celebrations, and foods that were created long ago. Travel the Silk Road and fly with the dragons as we delve into the exciting Chinese culture.

REUSE, REDUCE, RECYCLE
Did you know that recycling 100 aluminum cans could light your bedroom for an entire week? Have you ever stopped to think of all the wonderful things that can be created from trash? From robots to life-sized figures, the possibilities are endless! Recycling is a constant challenge for the planet, but there are many things that we can do to reuse, recycle, and reduce! Learn how to play your part in reversing climate change, while creating pieces of art from recyclable materials.

Session B, 10:00am – 11:45am

EXTREME WEATHER
Everyone is nervous...the storm is coming! What do we do next? How do we prepare? Get all the answers during this exciting course on extreme weather. Explore a variety of storms and know how to stay weather aware. Experience hands-on weather and design your own meteorologist broadcast to educate others about weather.

YOU’RE OVERREACTING!
Can you create toothpaste just for elephants? Will your bottle rocket shoot 12 feet into the air? What makes a volcano erupt? You will be able to answer these questions and so many more as you get all the details for safely conducting science experiments and explaining how they work. You will feel like a real scientist as you create chemical reactions in our very own SEW Chemistry Lab. Because these chemistry experiments are so much fun, why not pass them on to someone else, along with the scientific explanation?
Grades 2 - 3 Courses
Session A, 8:00am - 9:45am

FRACTURED FAIRY TALES
Once upon a time there was a fairy tale that was dramatically changed. Just one part of the story was modified; now it’s fractured and indelibly rearranged! Take a flight of fancy into the mysterious world of the Fractured Fairy Tale. Journey into the forest and explore different lands and mysterious creatures. Use your imagination to create your own fairy tales. Channel your inner musician, artist, and movie director to present your fable in this fun, interactive expedition.

I SPY
Venture into the world of sleuths, private eyes, and investigators. Discover how to fingerprint and decode a secret message. Learn how the science of forensics deals with more than reading prints and can use a single hair or fiber to solve a case. Want to learn how to tell if someone is lying during questioning? Can handwriting point a finger at the guilty? This course reveals the adventurous side of criminology. Use clues to crack cases and catch sneaky culprits. Join the I Spy team!

DASH & DOTS
How has robotics evolved over the years? How do robots change our daily lives? What kinds of ethical dilemmas does society face from artificial intelligence? Discover the world of robotics and coding through creative, hands-on exposure to designing, programming, and solving real-world problems. You will have the opportunity to build a robot, create programming to complete maze challenges, and program using the OSMO coding. With the right concentrations, you will be able to

Session B, 10:00am – 11:45am

FROM SANDCASTLES TO SKYSCRAPERS
Do you like to build famous structures such as the Eiffel Tower, New York skyscrapers, Pyramids of Giza, or the Golden Gate Bridge? Perhaps you would rather apply the art and science of architecture and create your iconic structure! Look at building techniques of animals, as well as humans, as you learn about form and function and other elements of architectural design. Explore geometric shapes, textures, and patterns as you put on your hard hat and design an artistic edifice.

LEGO MANIA
Play, build, learn! Be part of a LEGOs team; explore and construct different simple machines like a wedge, screw, lever, inclined plane, pulley, and a wheel and axle. You will be challenged to build machines from LEGOS that will help move a heavy object from the floor to the table without picking it up. You might want to motorize your LEGO machine. Come join the LEGO adventure!

TIME TRAVELING CRIME STOPPERS
Treacherous murder by poison in King Arthur’s court! A daring train robbery in the Wild West! Even an outrageous billion dollar computer hack! Join the Time Traveling Crime Stoppers! Investigate how crimes were unraveled in ancient history, master the techniques of today’s CSI techs, and create your own inventive forensic technology of the future! You don’t want to miss this action-packed, world-saving adventure; enlist today and help rid the world of crime for all time!
Grades 4 - 5 Courses
Session A, 8:00am - 9:45am

CONCENTRATION IS CRITICAL!
With the right concentrations, you will be able to make a rainbow appear in a glass tube, create an invisible message that suddenly appears, turn a red solution clear and much more. We will give you all the details for conducting these science experiments and explain how they work in SEW Chemistry Lab. You can amaze your family and friends! Because these chemistry experiments are so much fun, why not pass them on to someone else, along with the scientific explanation?

LEAVE MINDCRAFT BEHIND
Become an engineer in the real world. Design and construct simple machines and be challenged to move heavy objects without picking them up. You will examine problems, ask questions, and brainstorm possible solutions to design challenges. Use computers to program your creations to move the way you design them. Join us for challenging and exciting adventures!

CSI TIME TRAVELERS
“Treacherous Murder! Poison in King’s Court!” “Gold and Gems Stolen in Daring Train Robbery.” Feeling adventurous? Ready for a thrill? Itching to capture greedy criminals from the past and in the future? Enroll in the CSI Time Travelers Academy and discover forensic procedures of ancient times, achieve expert level in current CSI techniques, and invent your own crime solving technologies. Help crack the cases behind the headlines!

Session B, 10:00am – 11:45am

CHINA: LAND OF MYSTERY
Have you ever wondered where we got some of our greatest inventions, like ice cream or fire works? Take an imaginary trip with us to a far-off land and discover the architecture, culture, and technology created by ancient China. Travel the Silk Road and fly with the dragons as we delve into the exciting Chinese culture.

FRACTURED FAIRY TALES
There once was an old fairy tale that was changed on a very small scale. Just a tiny transformation made a whole new creation. Now this fractured fairy tale does prevail! Fairy tales?? I know what you’re thinking. “No way!! I’m too old for fairy tales!” Suspend your disbelief and delve into the mysterious world of the Fractured Fairy Tale. Nourish your mind, and kindle your hopes and dreams with a journey into a magical forest where anything can happen. Be the creator of fantastic creatures, the teller of tall tales. Your adventure will reach its conclusion when you channel your inner musician, artist, and movie director and present your tale to the world!

CSI: DETECTIVES
Be a detective, an investigator, and a scientist. Learn how to collect evidence, analyze it, and catch the guilty person! Use the scientific method to learn about the investigation process and solve problems. Gain experience in using testimonial evidence and body language, fingerprinting, impression evidence, DNA evidence and arson analysis.
Grades 6 - 8 Courses
Session A, 8:00am - 9:45am

ART IN ARCHITECTURE
Art and architecture, do you think they are related? Examine the essentials of art: line, shape, form, texture, color, etc., plus visual design elements such as proportion and scale, contrast and balance, to identify architectural elements in famous artifacts. Consider the styles of famous architects like Frank Lloyd Wright, Zara Hadid, I.M. Pei, and Julia Morgan. Use architectural design fundamentals and create/build your own designs as you explore fundamentals in art, engineering, logistics, geometry, and functional design.

HOW DO STORMS FORM?
The warnings are issued and your TV program is disrupted! Extreme weather is headed your way. Do you understand how the storm is forming? Do you know what's coming next? Are the air masses and fronts going to create a catastrophic weather event? Explore the variety of storm patterns and jet streams that cause storms to bash through the United States. Analyze conditions that cause storms to wreak havoc in our communities. Observe the destruction and develop an action plan for being weather aware.

Session B, 10:00am – 11:45am

CALLING ALL ENGINEERS
Working individually and in teams, you will have the opportunity to invent, problem solve and create a variety of robotics using OSMO coding, while also exploring the questions: How has robotics evolved over the years? How do robots impact our daily lives? How does artificial intelligence challenge our ethical standards?

TRASH TO TREASURE: REUSE, REDUCE, RECYCLE
Recycling is a constant challenge for the planet, but there are many things that we can do to reuse, recycle, and reduce. Did you know that saving one aluminum can could provide enough energy to listen to a full album or playlist on your smart phone, iPad or tablet? Learn how to play your part in reversing climate change and address recycling issues while creating versatile pieces of art from recyclable materials.
# Registration Form

**Student Name:** ___________________________  **Preferred Name:** ___________________________

**Date of Birth:** ______________  **Grade completed as of May 2019:** ___________________________

**Has student attended SEW in the past?** ______________  **Year attended:** ___________________________

**School Attended:** ___________________________  **Gifted Teacher’s Name:** ___________________________

*Parents of a student who is NOT presently enrolled in a gifted program should attach a teacher or principal recommendation, test data (academic, intelligence, or creativity), and any other information describing the student’s special abilities/achievements and ability to benefit from the SEW experience. If the student has successfully attended SEW in the past, no recommendations are needed.*

**Parent/Guardian Name(s):** ___________________________

**Address:** _______________________________________

**Home Phone:** ___________________________  **Work Phone:** ___________________________

**Email:** ___________________________

*(You will receive an email confirmation of receipt of registration form. We will not deny participation based on financial situations. Please contact us for scholarship information.)*

**Check Enclosed:** ___________________________  **Check #:** ___________________________

**Any additional information that SEW teachers need to know for the health and safety of your child:**

____________________________________________________

**In the event of an emergency and we are unable to contact parent(s)/guardian, whom shall we contact?**

**Name:** ___________________________  **Relationship to Student:** ___________________________

**Address:** _______________________________________

**Phone:** ___________________________

**May we have permission to post SEW pictures of your child on the SEW website and/or film your child in class for promotional purposes?** ______________

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# Course Selections

Please indicate your top 3 choices (where available) for Session A and Session B by writing course selections in the spaces below.  
Children attending SEW will be enrolling in courses for the grade level which they just completed.

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<tr>
<th>Grade Level</th>
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