Summer Enrichment Workshop

Celebrating 38 Years of Fun, Smiles, Laughter, and Learning
Summer Enrichment Workshop

Summer Enrichment Workshop (SEW), the annual program for gifted and talented students sponsored by the Program for Gifted and Talented in Special Education at The University of Alabama, is embarking on its thirty-eighth year.

Students who have completed grades K through 8 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 graduate interns working toward a degree/certification in gifted education. Most of them are already teaching in school gifted programs throughout Alabama. Other teachers are experienced teachers of gifted and talented students from schools in the Tuscaloosa area.

SEW 2017 is directed by Dr. Jane Newman (Associate Professor) in The University of Alabama’s Gifted and Talented Program, College of 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.

SEW provides outstanding experiences for both students and UA interns in small, personalized classes, and enrollment in SEW 2017 will be strictly controlled on a first-come, first-served basis.

Monday, June 12 through Friday, June 30, 2017 from 8:00 – 11:45 a.m.

Matthews Elementary School
1225 Rice Mine Rd.
Northport, AL 35476

Send completed registration form, course selection form for the grade level completed, and $250 check (This includes a $50 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

A special rate of $225 per student is offered when 2 or more youngsters from one family are enrolled.

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

No refunds after May 1. Any cancellations prior to May 1 will receive a refund minus the $50 processing fee.

REGISTRATION DEADLINE
May 1, 2017. After May 1st, call for course availability.
Directions for Completing Course Selection Form

Please make certain to 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 then 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.

SEW enrollment is on a first-come, first-served basis. SEW 2017 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 MONDAY, MAY 1 to

Dr. Jane Newman, Director and Associate Professor
ATTN: Summer Enrichment Workshop
The University of Alabama
College of Education, Program of Gifted and Talented
Box 870232
Tuscaloosa, AL 35487-0233

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

1. BIG ANIMAL DREAMS
Have you ever dreamed that you were an animal for the day? Maybe you became a rhino, lion, or maybe even an elephant-breathing snake. Perhaps the creations of a new animal species and its adaptations may interest you!!….Africa, is awaiting your arrival! Join me on this voyage of exploration-- both the known and unknown world around us.

2. JOURNEY TO CHINA
Today’s fortune: You will take a long journey to a mysterious place. Come travel to China! Solve mysteries and unlock ancient treasures. Do you ever think about where writing originated? Have you heard of the Great Wall and the Forbidden City and want to know more? Do you wonder where some of our modern technologies came from? Come journey with us and explore the mysteries of ancient Chinese civilization!

3. LET’S EAT THE INVENTION
Science is going to be fun and yummy! In this exciting session we will learn how to create weird, wacky, and wonderful creations that are also edible. Join us in the lab where we will watch food turn from liquid to solid. Build wacky creations from food and have a better understanding of how to use the proper tools to make it all happen. Grab your lab coat and join our team to bring wacky science to your dinner table!

Grades K - 1 Courses Session B (10:00am – 11:45am)

1. WATER, WATER EVERYWHERE, AND NOT A DROP TO DRINK
Did you know that you are drinking the same water that the dinosaurs drank? The water cycle is nature’s way of washing our water supply. Learn how to make a mini-water cycle powered by the sun, a cloud in a bottle, and much more. In this experiment rich class you will discover why water is one of, if not our most important resource.

2. BLAST INTO SPACE
HOUSTON, do we have a problem? Let’s blast off together to make sure we don’t! Prepare for take-off to see what it would be like to be an astronaut and explore space. Join our exploration to see what life is like in space compared to life on Earth. Positions of Earth, the sun, and the moon will be investigated. Create your own model of a planet.

3. EXPLORE OUTDOORS
What can you discover outdoors? Do you like dirt, rocks, plants, insects, and living things found outside? What habitats are around us? What’s hidden from your view? Investigate living organisms, ecosystems, and habitats in our environment. Let’s explore outdoors!
1. **OUT OF THIS WORLD**
Calling all future astronauts! Get ready to zip through meteors all the way to Mars. Students will use the engineering design process while planning a mission to Mars. Design a parachute spacecraft, use a budget, and create a sample colony for life on Mars. Explore meteorite and lunar discs, as well as a piece of the space shuttle from NASA. So grab your space suit and strap in to your rocket and get ready for BLAST OFF.

2. **MOVE WITH MUSIC**
Are you ready to groove to the beat? Get your drums, guitars, and maracas ready for a musical adventure. We will explore how music has changed over time, make instruments, and you may even become a music STAR! Let’s Rock-n-Roll our way through history!

3. **POETRY 4 KIDS**
Have you ever wondered how people make pictures out of different text characters? Works of shape poetry are as much pieces of visual art made with words as they are poems. You can even create your own shape poem from scratch. It takes a lot of skill and attention to detail, but you will learn just how much fun shape poetry can become.

4. **CSI DETECTIVES**
Be a detective, an investigator, and a scientist! Learn how to collect evidence, analyze it and catch the bad guy! In this class, we will be using the scientific method to learn about the investigation process and solve problems. We will gain experiences in evidence and body language, fingerprinting, impression evidence, hair and fiber analysis, chromatography, entomology, anthropology, and arson analysis. Ever wondered why your nose has boogers or why your blood is red? Find out by diving into this exploration of human and animal bodies! We will become detectives and solve many of the mysteries about the human body and the weird things it does. We will dissect animals and even have the chance to create a model of a crazy and wild animal. The animal will be as outrageous as you can create! Come ready to get messy and learn all about how the human body works!

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**Grades 2 - 3 Courses Session B (10:00am – 11:45am)**

1. **THERE IS NO “I” IN TEAM**
“Team ology” – So you think you have what it takes to be a team player? Let’s put your skills to the test. Begin by designing a set of guidelines for working as a team. Explore different games that require many types of teamwork. Work with your team to create your own game that will put everyone’s teamwork skills to the test!

2. **DREAM IT, BUILD IT**
Do you love building things? If so, this hands-on class is for you! Learn how to construct a paper bridge that can hold 100 pennies. Build a dam just like a beaver. Create a model skyscraper and learn how these amazing buildings work. Come join the fun as we learn how bridges, dams, and skyscrapers work by building amazing structures!

3. **ART ATTACK!**
Ever wanted to draw all over the walls or splatter paint everywhere, but were afraid you’d get in trouble? Well in this class, that’s exactly what we would love for you to do. Let’s go on a wild adventure into the world of art where we will experiment with all kinds of materials to make your very own paintings, drawings, sculptures, and more. Use your imagination and explore the ways in which art can change the way you see your world!

4. **MASTERPIECE BASH**
Get ready to smear, squeeze, and splatter as you discover your inner Picasso. Have a bash tie dying shirts, printing colorful stamps, and transforming trash into artwork. Feed the curiosity of your creative mind and enter the world of your imagination as you create extraordinary masterpieces.
1. **TEAMWORK MAKES THE DREAMWORK**

“Team ology” – Are you ready to be a part of a successful team? Define what it means to be a team player. Distinguish between good teams and great teams. Design your own teamwork guidelines that will help your team succeed. Test your creativity and teamwork by designing a game that could be played for years to come!

2. **CALLING STORM CHASERS**

Natural Hazards cannot be removed, but the damage they cause can be reduced. Conduct experiments and challenges to refresh your knowledge about the principles and properties of water and how they affect the environment. Consider past natural disasters and the hazards that caused them. Use the knowledge you’ve acquired to survive natural hazards.

3. **DISCOVER ART**

Feed the curiosity of your creative mind through discovering art. We will examine various artists and their mediums. We will research the historical and cultural influences for these artists and create our own artwork.

4. **UP CLOSE OUTDOORS**

Have you wondered what’s happening around you that you can’t see? What systems make up the environment? How is biodiversity visible? What clues can be found in geology? What changes impact ecosystems? Let’s get up close and explore outdoors!

5. **JOURNEY THROUGH SPACE**

HOUSTON, do we have a problem? Let’s blast off together to make sure we don’t! Prepare for take-off to see what it would be like to be an astronaut and explore space? Join our exploration to the International Space Station and make our own station simulation. Orbit the sun and see what planets look like from a new perspective. Be an engineer and create a scaled model of some planets. Let’s be astronauts and engineers together!

**Grades 4 - 5 Session B (10:00am – 11:45am)**

1. **HAKUNA MATATA**

Hakuna Matata!! Come one come ALL!! Join me as we take an amazing adventure through Africa!! Imagine the sounds of the unique animals, while exploring colorful cultures, and divergent ecosystems. Become a native of the local tribes while learning to speak, eat, and dress according to your ecosystem. YES, we will learn a new language! Hakuna Matata!! NO WORRIES...We will become bi-lingual together.

2. **EXPRESS YOURSELF (POETRY)**

Have you ever wondered how people make pictures out of different text characters? It can look really effective when the image chosen is well represented by the text. In essence, works of concrete poetry are as much pieces of visual art made with words as they are poems. If you’re really feeling adventurous, you can even create your own personal concrete poem from scratch. It takes a lot of skill and attention to detail, but once you understand the concept of what you’re doing, you will learn just how fun concrete poetry artwork is.

3. **CHINA, ANCIENT TREASURES AND LAND OF MYSTERY!**

What do an umbrella, paper money, fireworks and a clock all have in common? They are all ancient technologies developed in China! Come journey to Ancient China, along the Silk Road, over the Great Wall, and into the heart of the Forbidden City. Explore Ancient technologies that made China an advanced civilization. Solve the mystery of Marco Polo. Unlock the secrets encoded in Chinese writing. Let the journey begin!

4. **TAKE A BITE OUT OF SCIENCE**

Science can be both fun and delicious! In this exciting session you will experiment together as junior mad scientists to answer scientific curiosities about where our food originates. Become engineers while using edible items to explore how food changes from one state of matter to another. With that in mind, grab your lab coat and join our team for all of the mad science we can devour!

5. **EXPLORATORIUM: WORLD AROUND US**

Calling all energetic learners! Get ready to create, design, paint and draw your way into my math world. Students will understand connections between two-dimensional and three-dimensional objects while constructing our final art display. So grab your paintbrush, pick up some color pencils because the world of math awaits you!
1. DEFYING GRAVITY
How does the Golden Gate Bridge span for 3 miles and not collapse? How does the Hoover Dam keep 10 trillion gallons of water from bursting through? How do the 102 stories of the Empire State Building not crash to the ground? Become an expert on these and more amazing structures. You’ll have a phenomenal time designing your own bridges, dams, and skyscrapers. Then the excitement continues as you construct the designs of your imagination. In this hands-on class, you’ll become a civil engineer and learn how to defy gravity!

2. ART IS FOR EVERYONE
Ever wanted to draw all over the walls or splatter paint everywhere, but thought it your parents or teachers may not be too happy with the idea? Well, in this class, that’s exactly the sort of thing we would love for you to do. Let’s take an exciting journey into the world of artistic expression where we will use experimental techniques and unconventional materials to create original paintings, drawings, sculptures, and more. Let your imagination guide you as we explore the ways in which art can change the way you see everything around you.

3. STALKING THE WILD: THE ANGLES REALLY DO MATTER
Attention! Attention! I’m looking for some tessellations! Want to learn how to make geometric shapes out of construction paper so they can fly? Want to discover the concepts of geometric shapes and why they are so beautiful? Join the fun academics of Geometry. It’s time to transform and take shape as your creativity with numbers and angles create amazing pieces of unique art that will blow your eyes away. Let’s Tessellate!

1. MISSION TO MARS
Calling all space explorers! It’s time to put on your spacesuit, and go on a trip full of engineering and creative problem solving as we travel through the solar system on our way to Mars. Plan like real engineers as you use a budget to create and test heat shields. Use tomato seeds from the ISS to compare with seeds that have never been in space. Meteorite and lunar discs as well as a piece of the space shuttle from NASA will be onsite to explore. Using NASA educational resources you are sure to have an “Out of this World” experience.

2. MUSIC TIME MACHINE
Have you ever wondered why today’s music sounds different from the music your parents and grandparents enjoy? Let’s jitterbug our way through the decades of music to find out how music has changed. We will explore genres of music, how different instruments affect the sound of music, and you may even become a POP star! Come join us as we let the rhythm move us through time.

3. DETECTIVES, SECRET AGENTS, INVESTIGATORS
Be a detective, an investigator, and a scientist! Learn how to collect evidence, analyze it and catch the bad guy! In this class, we will be using the scientific method to learn about the investigation process and solve problems. We will gain experiences in testimonial evidence and body language, fingerprinting, impression evidence, hair and fiber analysis, chromatography, trajectory analysis, CSI adventures with GPS, entomology, anthropology, and arson analysis.
Registration Form
Due: May 1, 2017

Student Name: _________________________________________ Preferred Name: ______________________________

Date of Birth: ___________________ Grade completed as of May 2017: ______________________________

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/identified for a school gifted program should attach a teacher or principal recommendation, test data (achievement, 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 2017 SEW pictures of your child on the SEW website and/or film your child in class for promotional purposes? __________

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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<th>Grade Level</th>
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