



All classes are offered in both the AM and PM sessions!
Pre-registration is required and must be postmarked by April 9th

SUPER SATURDAY

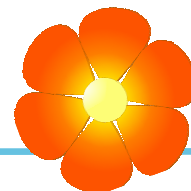
Enrichment Program for Gifted and Talented Youth Kindergarten - Grade 8

April 16, 2016 10am-12pm & 1pm-3pm

Tates Creek Elementary

Spring 2016 Classes

New
Location!



K/1 Fingerprint Science with Susan Sither

Calling all "Junior Sleuths"! What's so special about your fingerprints? Do identical twins have identical fingerprints? What is dactyloscopy? We will answer these questions and more by integrating hands-on math, art, and science activities. Put on your detective hats as we examine our fingertips and surroundings!

K/1 Animal Adaptations with Elisa Wain

In this class, children will take a hands-on (or should I say paws on?) approach to animal adaptations and how they help animals survive in the world. We will pollinate flowers using both our proboscis and legs. We will use our blubber to keep warm in the arctic temperatures. We will molt. We will use camouflage to disappear. We will eat like a baleen whale.. We will use various beaks to eat. We will use echolocation to locate our prey. It should be fun, educational and help us appreciate how amazing our earth co-habitants really are!

2/3 Bugs, Bugs, Bugs! with Dr. Ric Bessin and Scott Bessin from The University of Kentucky

From bees to bed bugs, insects affect us every day in many ways. In this session you will get an understanding of insect biology, the value we receive from them, and emerging threats in our changing world.

2/3 Amusement Park Rides: Motion and Forces with Tracy A. Morris from Bricks 4 Kidz

Students are introduced to physics, including the "Laws of Motion" made famous by Sir Isaac Newton. By explaining terms like inertia and mass using simple words, Bricks 4 Kidz® lessons give students a foundation for understanding concepts that they will delve deeper into in years to come. For now, they get to build their own amusement park rides out of LEGO® Bricks and create a positive association that science is fun!

2/3 Camp Invention with Hillary D. McWhorter

Come put on your creative problem solving caps for some science fun! In this fantasy design challenge called "Island Hopper," you will create an island adventure shoe for Rana, a shipwrecked girl living on an isolated island. Among other things, we will be exploring bio-mimicry and the process of invention. Then let's go fishing with the poles you make. You will be sure to pull in a prize!

4/5 Lego Physics with Teresa King

Students will investigate Simple Machine concepts by designing, building, programming and controlling fully functional LEGO robotic models and observing their properties in physics lab experiments. Build engineer-designed projects such as cranes, boats, bridges, mazes, motorized cars, and a crane as well as use special pieces to create your own unique design! Apply your understanding as you build new constructions and interact with animated models by using the LEGO WeDo extension kit with motors, sensors, and programming software. LEGOs stimulate the imagination, encourage creativity and help students develop innovative ideas in order for them to create narratives, characters, and storylines to enhance their creative writing skills. This is an ideal way to prepare young builders for the challenge of Engineering Fundamentals!

4/5/6/7/8 Camp Catapult with Bill Cloyd from Newton's Attic

Students will construct a somewhat smaller but fully functioning catapult from a partially prefabricated kit. Students will field test their catapults in a fun and friendly competition and will keep the catapults they build. This class incorporates basic hand and power tool use but does not require any previous tool experience.

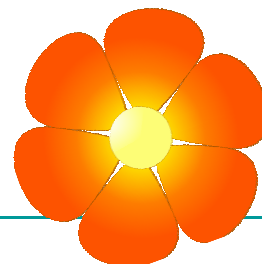
6/7/8 Kerbal Space with Keith Hollifield from Newton's Attic (Only offered for the 10:00-12:00 Session)

In this computer based camp, students will learn how to use the game software to create and manage their own mini -space program. They construct virtual rockets, launch them into orbit and attempt to do a variety of NASA like activities like dock with a space station, land on the moon, or attempt to mine an asteroid. Although this is a computer game, playing it is not as whimsical as one would think. Students must learn and apply some basic physics, math, engineering and even a little orbital mechanics as they attempt to become virtual test pilots and astronauts. It's not just a kid's computer game, it actually IS rocket science.

6/7/8 MCreator with Robert McGillivray from Newton's Attic (Only offered for the 1:00-3:00 Session)

Students will be introduced to the world of coding through the popular game of Minecraft and MCreator, a code generating program that is used to make modifications without programming knowledge. The class will teach students to work with the code of other developers and to read and decipher preexisting code, a common practice in the software development field. No previous programming experience is required, but students must have a Minecraft account prior to joining the class. Basic computer knowledge and keyboard use is also required. If students would like to save their work on code outside of class, they should bring a flash drive.

Parent Speakers: Dr. Nettleton and Dr. Kessinger from Morehead State University



Super Saturday — April 16, 2016 Tates Creek Elementary

Student Application Form (complete one per student)

Child Name <i>(Name as it should appear on name badge)</i>		Birthdate
School District	Current School	Current Grade Level
Any Medical Concerns we should know about?		

Parent Contact Information **** Parents/guardians attend our free parent seminars while their children/students are enjoying their class(es). A parent or guardian MUST stay at TCE while their student(s) are attending class(es).**

Attending Parent(s)/Guardian(s) Name: <i>* Parent Name Badges will include this name as responsible guardian in attendance for this child.</i>	
Phone # ()	Email address
Address	
Emergency Contact:	
Name	Phone ()

Parent/Guardian Must Sign Below;

I give permission for my child to participate in the Super Saturday Program, November 7, 2015. In the event of an emergency, if reasonable attempts to contact me are unsuccessful, I give my consent for the child mentioned above to be treated and/or admitted to the following Lexington Hospital (please state) _____

Parent/Guardian Signature	Date
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Please indicate your class and time selection in the chart below:

Group	Class Description	AM	PM
K-1	Fingerprint		
K-1	Animal Adaptations		
2-3	Bugs, Bugs, Bugs!		
2-3	Amusement Park Rides		
2-3	Camp Invention		
4-5	Lego Physics		
4-8	Camp Catapult		
6-8	Kerbal Space (AM only)		
6-8	MCreator (PM only)		

Registration Reminders ****Pre-registration is required!**

- * **Application and payment must be postmarked by April 9, 2016**
- * There is no fee for attending parent/guardian(s), but enrollment is restricted to students with attending parents/guardians
- * Student fees: \$30/student for first class; \$25/student all subsequent classes per family. A limited number of student financial scholarships are available—see the LexKAGE website for more details. www.lexkage.com
- * Each K-8 class enrollment has a minimum of 8 and a maximum of 15 students,
- * Every effort to accommodate time preference will be made, but cannot be guaranteed
- * Returned checks will result in \$20 fee; all fees must be paid in full before registration will be completed and enrollment confirmed.
- * Attendance at both sessions **will require** lunch “on your own” and attending parent/guardian supervision.

Please forward completed application and fee (check or money order ONLY made payable) to:


LexKAGE
3813 Tempo Court
Lexington, KY 40514

Confirmation of enrollment will be sent via email the week of April 11th.
Once enrollment confirmation is sent, no refunds will be issued.

All participants in the Super Saturday Program and their parents automatically grant their permission for the use of any record of student activity (i.e., photographs, audiotapes and/or videotapes) for LexKAGE promotional purposes. LexKAGE shall own and retain all rights to said photographs/videos/tapes without compensation to the parent or student.