



AUBURN UNIVERSITY

**COLLEGE OF SCIENCES
AND MATHEMATICS**

July/August 2011

Volume 3, Issue 4

E=mc²

Engaging More Community Connections

A Science and Math Outreach Newsletter

Inside this Issue

Upcoming Events and Programs	1-2
Activity of the Issue	3
Since last issue...	4

Upcoming Events & Programs:

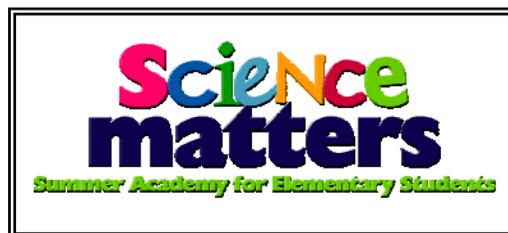
SUMMER SCIENCE CAMPS!

Register Today...

Schedule of Events

- July 11—15—Science Matters
- July 20—23—BEST National Conference
- July 25—29—Science Matters
- August 1-5—Science Matters

Science Matters is a summer science academy program at the Auburn University main campus for elementary students in grades 1-6 that offers youngsters a supercharged science experience. The program allows participants to explore the world of science through real experiments, fantastic field trips, technology and art projects, integrated language arts, and hands-on, make-n-take activities. We still have 3 weeks of Science Matters available this summer for 3rd—6th grade children (see dates below). Parents can choose between the Regular Day option from 8 am - 3:30 pm daily or the Extended Day option from 8 am - 5 pm daily.



Program Fees Include (Prices range from \$170 –\$235 per week/child):

- All materials for courses—Fantastic field-trips each week—First-class experienced instructors and staff—All snacks (morning and afternoon breaks) - Special Science Matters academy T-shirt—Science Matters string backpack—Lots of Make-n-Take projects

Spaces are limited each week and are filled on a first come, first served basis. Multiple week discounts are available.

Fall GUTS Dates

Announced!

See back cover for details.

Science Matters – Summer 2011 Schedule and Course Topics

Courses in ORANGE are full.

Week	3rd-4th grade	5th-6th grade
July 11-15	To Catch a Thief	Animation Creations
July 25-29	Slimy Science	Race to the Sun
Aug 1-5	The Biology of ME!	Egg-cellent Adventure

Limited seating still available.

To register, visit www.auburn.edu/cosam/outreach or call 334-844-7449.

Please visit our website for a complete listing of all our programs!

www.auburn.edu/cosam/outreach

Upcoming Events & Programs, cont'd:

The BEST National Conference

From its humble beginnings in 1993, BEST has now grown across the nation and is the second largest educational robotics program in the United States. BEST actively engages over 15,000 students, thousands of industry sponsors and mentors, various school districts and state departments of education, and 40 colleges and universities. Hub representatives from all 47 BEST competition sites around the country will be present at the 2011 conference at Auburn University, July 21-23.



Sessions for Teachers Include:

Team Organization and Planning * Understanding Robot Design & Construction * The Engineering Design Process
 Strategies for BEST Team Success * BEST and Curriculum Integration
 Software Orientation for easyC, MathWorks, ROBOTC, and SolidWorks

Special Events Include:

Post-Conference, Hands-On, BEST Software Workshops * Exhibitors Showcase/Wine & Cheese Reception
 Networking luncheons * Conference Banquet with national STEM education Keynote Speaker



Who should attend:

New and veteran BEST teachers * Team mentors (new and veteran) * Middle and high school STEM educators
 2- and 4-year college/university faculty * BEST hub personnel and volunteers
 Those interested in starting a BEST hub * Champions of informal STEM education

Anyone with a vested interest in workforce development through programs like BEST!

For conference information or to register, go to www.bestinc.org.

For up-to-date program information from the COSAM Outreach Office, sign up for our listserv, AU4kids. To become a member, send an e-mail to cosam_outreach@auburn.edu

Activity of this Issue

COLOR BY SUM

Add. Then color all the sums using the color key below.

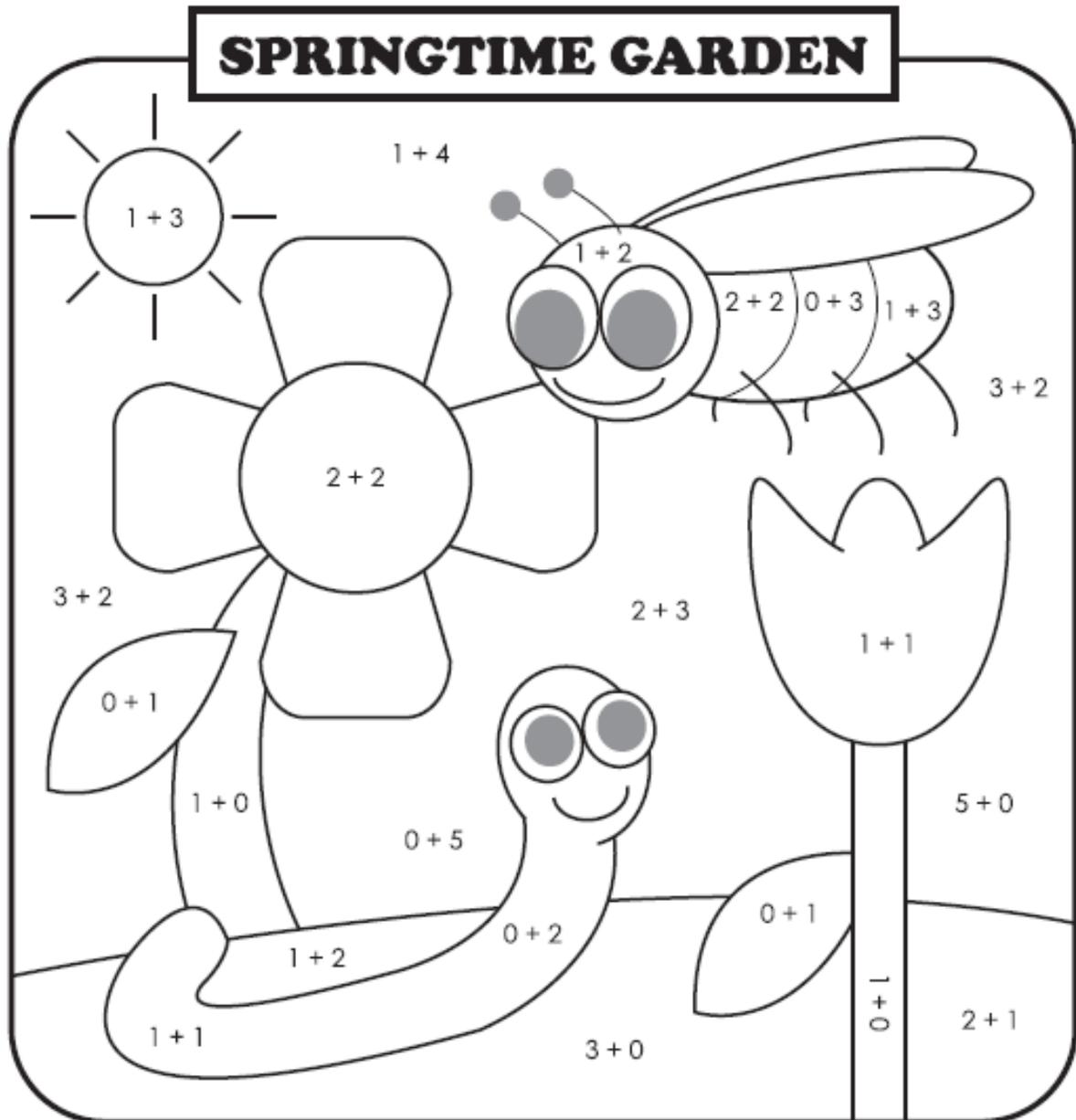
1 = Green

2 = Red

3 = Brown

4 = Yellow

5 = Blue



Keep your child's brain active in the summer months! Find science and math activities and worksheets like this for all grade levels at www.education.com

Since Last Issue....Summer YES



The Summer Youth Experiences in Science (Summer YES) program kicked off on June 27th with 46 middle-school kids eager to participate in four days of engaging science courses. Participants participated in two of the following courses: Soarin’ Skyrockets, Electronic Kit Building, NanoScience, Off the Wall Science, Genes, Diseases, & Biotechnology, and River Creatures. Additionally, participants toured the Auburn University School of Veterinary Medicine and the Leach Science Center and were visited by the Southeastern Raptor Center and their friends. The event concluded on Thursday, June 30th with a certificate ceremony and an address from COSAM’s Associate Dean of Academics, Dr. Lawrence Wit.



Mark Your Calendars for GUTS

Getting Under the Surface (GUTS) is a monthly event which takes place on select evenings during the school year for elementary school students and their parents. It’s a unique opportunity in which parents and their kids engage in science together. If your child enjoyed Science Matters this summer, GUTS is sure to be a hit this fall!

- Tuesday, September 20
- Thursday, October 27
- Tuesday, November 15

Pre-registration is required and will be available in September on our website.



www.auburn.edu/cosam/outreach

College of Sciences and Mathematics K-12 Outreach

315 Roosevelt Concourse
 131 Science Center Classrooms
 Auburn University, AL 36849
 Phone: 334-844-7449
 Fax: 334-844-5740
 E-mail: cosam_outreach@auburn.edu



Visit our YouTube channel!! New videos will be updated following outreach programs.

www.youtube.com/AUCOSAMOutreach

Keep up to date with programs and information by visiting:
www.auburn.edu/cosam/outreach