

ANNOUNCING ...

The 2013 University of Alabama

STEM Entrepreneurship Academy (SEA)

Innovative Year-Round Program for Grades 9–12

MISSION: To present science, technology, engineering and math in the context of entrepreneurship to prepare students for college and STEM-related careers.



Find Your SEA Legs at The University of Alabama!



engineering

technology

entrepreneurship

SEA Phases

1. STEM/Entrepreneurship Summer Camp
2. Professional development for teachers
3. STEM workshops during the school year

SEA Objectives

1. Master scientific process and apply skills
2. Discern if idea is right for marketing
3. Improve teamwork, communication skills
4. Write an effective business plan
5. Prepare a budget
6. Students network with professionals in business, science and technology

SEA Methods

Inquiry and project based approach will engage students in real-world investigations that integrate STEM and entrepreneurial concepts.

SEA Curriculum

The 2013 SEA Camp will follow the curriculum of the successful Capstone Entrepreneurship Camps of the past five summers as STEM concepts are phased in.

Teacher Professional Development will address the following:

FALL CHALLENGE CURRICULUM

Designing green vehicles. Introduction to vehicle energy sources; exploring technology available for vehicular transportation; and future technologies. Sessions will cover old energy technologies vs. new technologies. Activities will include a research presentation and team project presentation.

SPRING CHALLENGE CURRICULUM

Solar energy. Students will study and apply their knowledge to develop a plan for increasing the efficiency of solar energy transformation. Sessions will cover harvesting heat and light energy. Activities will include a research presentation and team project presentation on solar energy.

Students considering a major in a STEM field should attend the academy. Student and teacher selection information to be announced soon.