



# Future Scholars Program Options for 2016/2017

## **DIGITAL MEDIA AND LEARNING**

*This program utilizes technology, digital media and learning environments to develop skills such as complex problem solving, communication and collaboration, creativity, and visual literacies. Using the space, tools, and resources found in the Digital Media & Learning Labs of the College of Education, students will explore Digital Media, Audio Production, Video Production, 3D printing and prototyping, Gameplay, robotics, and other technology-focused manipulatives.*

## **ENGLISH AND CULTURAL IMMERSION**

*This program is designed to dramatically improve the English writing, speaking, and listening skills and to enlarge the cultural perspective of each student. In addition to daily English classes, students will experience life at a top-ranked American university, visit world-class research facilities, work on projects with American students, and visit sites of cultural and historical importance.*

## **GENETIC HORIZONS**

*This program investigates how genetic research is changing our lives and exposes students to both the challenges and opportunities in this revolutionary field. Activities include using DNA fingerprinting to identify suspects at a mock crime scene, using PCR to detect genetically modified foods, and using bioinformatics to analyze and compare DNA sequences.*

## **INTRODUCTION TO STEAM**

*Using the world-class faculty and facilities of Clemson University, students will explore the five major focus areas of the STEAM field. This program goes far beyond an ordinary classroom experience as students spend significant amounts of time in laboratories and research centers interacting with academic specialists and industry professionals.*

## **LEADERSHIP AND CAREER EXPLORATION**

*This program begins each morning with a carefully crafted sequence of training sessions on topics such as leadership, public speaking, critical thinking, and innovation. In the afternoons, students transition into professional settings where they can observe and even practice the things they've learned in authentic, real-world situations.*