The EPGY Summer Institutes are three-to-four week residential programs for academically talented and motivated high-school students. The Summer Institutes provide an opportunity for these students to pursue their intellectual curiosity and meet others who share their interests and abilities. Participants are enrolled in a single intensive-study course taught by a Stanford instructor and covering topics not typically presented at their grade level.

Past EPGY Summer Institutes participants have come from over 60 countries and 49 states, and students leave with a sense of academic accomplishment, new friends, and fond memories of a wonderful time spent at Stanford University.

EPGY course instructors are assisted by undergraduate and graduate student mentors who have expertise in the course subject areas. These mentors serve a dual role of Residential Counselor and Teaching Assistant so that the academic and social aspects of the program are tightly integrated.

The EPGY Summer Institutes integrate academics and social activities into every aspect of the program. Students are encouraged to have fun while learning and to learn while having fun. The combination of peers and mentors from around the world, first-rate instructional and residential staff, and the beautiful Stanford University campus makes the experience one of a kind. Many students reach the end of the program wishing it would never end. They leave Stanford reflecting on the experience as one of the best they have ever had, and one they will always remember.

**BUSINESS**

**Topics in Business and Entrepreneurship**
Session 1 (June 23 – July 12), grade 9 – 10

**Investigations in Business and Entrepreneurship**
Session 2E (July 15 – August 10), grades 10 – 11

**COMPUTER SCIENCE**

**Artificial Intelligence**
Session 1 (June 23 – July 12) and Session 2 (July 15 – August 3), grades 10 – 11

**Java and Robotics**
Session 1 (June 23 – July 12) and Session 2 (July 15 – August 3), grades 8 – 9

**MATHEMATICS**

**Cryptography**
Session 1 (June 23 – July 12), grades 9 – 10

**Discrete Mathematics**
Session 2 (July 15 – August 3), grades 9 – 10

**Investigations in Number Theory**
Session 2E (July 15 – August 10), grades 10 – 11

**Logic and Problem Solving**
Session 1 (June 23 – July 12), grades 8 – 9
Session 2 (July 15 – August 3), grades 9 – 10

**Mathematical Puzzles and Games**
Session 2 (July 15 – August 3), grades 8 – 9

**The Mathematics of Symmetry – NEW!**
Session 1 (June 23 – July 12), grades 9 – 10

**Topics in Number Theory**
Session 1 (June 23 – July 12), grades 10 – 11

[summerinstitutes.stanford.edu/highschoolprogram.html]
SCIENCE AND ENGINEERING

Cosmology
Session 1 (June 23 – July 12), grades 9 – 11

Environmental and Earth Science
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 9 – 11

The Frontiers of Physics
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 9 – 10

Investigations in Bioscience and Biotechnology
Session 2E (July 15 – August 10), grades 10 – 11

Investigations in Engineering
Session 2E (July 15 – August 10), grades 10 – 11

Particle Physics
Session 2 (July 15 – August 3), grades 9 – 11

Quantum Mechanics
Session 2E (July 15 – August 10), grades 10 – 11

Theory of Relativity
Session 1 (June 23 – July 12), grades 10 – 11

Topics in Bioscience and Biotechnology
Session 1 (June 23 – July 12), grades 9 – 10

Topics in Engineering
Session 1 (June 23 – July 12), grades 9 – 10

Topics in Physics
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 8 – 9

WRITING AND HUMANITIES

20th Century Art, Culture, and Aesthetics
Session 1 (June 23 – July 12), grades 9 – 11

20th Century Science, Technology, and Culture
Session 2 (July 15 – August 3), grades 9 – 11

Creative Writing
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 8 – 11

Expository Writing
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 8 – 11

How Music Works
Session 1 (June 23 – July 12), grades 9 – 11

Journalism
Session 1 (June 23 – July 12), grades 9 – 11

Playwriting and Critical Drama
Session 1 (June 23 – July 12), grades 9 – 11

Screenwriting
Session 2 (July 15 – August 3), grades 9 – 11

Topics in Literature
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 8 – 9

SOCIAL SCIENCE

International Relations
Session 2E (July 15 – August 10), grades 10 – 11

Investigations in Legal Studies
Session 2E (July 15 – August 10), grades 10 – 11

Topics in Anthropology
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 9 – 11

Topics in Legal Studies
Session 1 (June 23 – July 12), grades 9 – 10

Topics in Politics and Public Policy – NEW!
Session 1 (June 23 – July 12), grades 9 – 10

Topics in Psychology
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 9 – 11

Topics in Sociology – NEW!
Session 1 (June 23 – July 12) and
Session 2 (July 15 – August 3), grades 9 – 11

Note: Grade ranges listed above are defined as applicant’s grade in Spring 2013.