



Inspiring young people with knowledge of engineering and technology to generate greater economic vitality and create a better quality of life.

TO REGISTER OR FOR MORE INFORMATION, CONTACT:



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**South Dakota State University**

June 14-18, 2009

June 13-17, 2010

**South Dakota  
School of Mines & Technology**

June 21-26, 2009

June 20-25, 2010



**Youth Engineering Adventure** provides high school students the opportunity to have fun while learning how engineering relates to the world around them.

Student groups work closely with engineering professionals and participate in panel discussions, demonstrations, engineering design, and hands-on projects.

#### Eligibility

- High school freshmen through seniors
- Preference given to students beginning junior year

#### Cost

- \$100 non-refundable registration fee
- Fee includes food, lodging, educational materials, and social activities

#### Campus

- Live in a residence hall on campus
- Experience life with a roommate
- Enjoy campus dining, events, and recreational activities

## Last year, the YEA participants at

### South Dakota State University:

- Built an air powered engine
- Constructed a robot
- Built an FM transmitter
- Built a K-NEX tower
- Toured drinking water and waste water treatment plants
- Toured Daktronics scoreboard and large screen video display manufacturing facility
- Saw how engineering is used in a grocery store

### South Dakota School of Mines & Technology:

- Soldered electronic circuits
- Learned about Human Engineering
- Tested metal smithing skills
- Learned how tornadoes form and watched a National Weather Service balloon launch
- Toured Knology Communications and SymCom manufacturing facilities
- Climbed Harney Peak
- Enjoyed a cookout at Sylvan Lake

