



Engineering the Tools of Innovation

February 3, 2016

8:30AM – 3:30PM

Colorado State University

Register at: teams.tsaweb.org

TEAMS (Tests of Engineering Aptitude, Mathematics and Science) is a one-day engineering competition for students in middle and high school held on the Colorado State University campus. The competition includes math and science multiple choice and essay questions based on the annual competition theme and scenario topics.

Focused on a theme each year, original academic and innovative concepts are developed for the TEAMS competition based on the National Academy of Engineering Grand Challenges. The 2016 theme is “Engineering the Tools of Innovation,” which explores the following topics.

2016 Scenario Topics

High School Topic Areas

<http://teams.tsaweb.org/node/12>

Energy efficiency: pumping systems

Failure engineering and material science

Genomics

Lenses and telescopes

Microscope technology

Semiconductor materials

Six-Sigma manufacturing methods

Space exploration

Middle School Topic Areas

<http://teams.tsaweb.org/middle-school>

Energy efficiency: pumping systems

Lenses and telescopes

Six-Sigma manufacturing methods

Space exploration



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Engineering the Tools of Innovation

Test of *E*ngineering *A*ptitude *M*ath and *S*cience

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ISTeC

Information Science and Technology Center

In Cooperation With

College of Engineering, and School of Education

AGENDA – February 3, 2016

Guest Arrival – 8:30am

Location – Morgan Library Event Hall, 1st Floor. The Morgan Library is located in the center of the main campus <http://maps.colostate.edu/default.aspx?location=105>

Directions – Directions can be found at <http://lib.colostate.edu/about/directions>

Parking – Parking west of the Morgan Library is available

<http://maps.colostate.edu/default.aspx?location=118> An “A” permit is required to park in “A” identified parking spaces. When you arrive, a permit will be provided at the registration table in the Morgan Library Event Hall. If traveling by school bus, park in the Moby Arena lot along Shields Ave.

Breakfast and Settling in – 8:30 - 8:55am

Welcome, Introductions, and Logistics – 9:00am to 9:10am

Competition Part 1 – 9:30am – 11:00am

Coaches Meeting – 9:30am – 10:00am

Conference Room

Short Break – 11:00am – 11:10am

CSU Admissions Presentation and

Engineering Ambassador Presentation 11:15am – 11:45am

Lunch with CSU Students, Faculty and Staff – 11:45am

Information and Department Tables Open 11:45 – 12:30pm

Tables set up in lobby outside Morgan Library Event Hall

CSU Short Department Tours – 12:30 – 1:30

Competition Part 2 – 1:45pm – 3:15pm

Recognitions, Fun and Departure – 3:30pm



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