

## Categories & Judging

### PROJECTS ARE JUDGED IN THREE GROUPS:

- Elementary Division Grades 5-6
- Junior Division Grades 7-8
- Senior Division Grades 9-12

### ELEMENTARY CATEGORIES:

- Earth Science
- Life Science
- Engineering & Computer Science
- Physical Science - Chemistry
- Physical Science - Physics
- Product Testing & Consumer Science

### JUNIOR AND SENIOR CATEGORIES:

- Behavioral & Social Sciences
- Biochemistry & Chemistry
- Botany
- Computer Science
- Earth & Space Sciences
- Engineering
- Environmental Science
- Mathematics
- Medicine & Health
- Microbiology
- Physics
- Team Projects (*a separate category in the senior division*)
- Zoology

Projects may be done by individuals or by teams of up to three members. Each project is judged individually.

### JUDGING

Each project is judged on its own merits according to the following criteria:

- Scientific Thought
- Thoroughness
- Skill
- Creativity and Originality
- Clarity
- Teamwork—*for team projects*

The Central Utah Science & Engineering Fair is largely supported and administered through funds and staffing provided by the Brigham Young University David O. McKay School of Education and the BYU-Public School Partnership.

CUSEF policies are coordinated through affiliation with the Intel International Science & Engineering Fair as well as the BYU-Public School Partnership Governing Board. For more information please visit our website: <http://cusef.byu.edu>.



*“To often we give children answers to remember rather than problems to solve”.*  
-Roger Lewin

### **The Central Utah Science & Engineering Fair**

Box 130 WIDB  
Brigham Young University  
Provo Utah 84602

Phone: 801-422-1987  
Fax: 801-422-0091  
<http://cusef.byu.edu>

**The Brigham Young  
University David O. McKay  
School of Education and the  
BYU-Public School  
Partnership Present:**



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**March 24-26, 2009**

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**Brigham Young University  
Conference Center  
770 East University Parkway  
Provo, Utah**

# Central Utah Science & Engineering Fair

The Central Utah Science & Engineering Fair (CUSEF) is an annual science competition for students in grades 5-12 that showcases the inquisitive natures and scientific discoveries of some of the best and brightest young minds from South Salt Lake, Utah and Wasatch counties. The research, experiments and inventions presented by these young scientists represent tough questions in the fields of Engineering, Medicine & Health, Chemistry, Mathematics, Environmental Science, Computer Science and many others.

The fair is open to all 5-12 grade school students in the Alpine, Jordan, Provo, Nebo and Wasatch school districts. Students who attend charter schools and private schools within the boundaries of these school districts and home schooled students within the Wasatch Home Educator's Network are also eligible to participate. Students must compete in their respective school district science fairs or the regional charter school science fair in order to advance on to compete at CUSEF.

The Central Utah Science & Engineering Fair celebrates the achievement of all young scientists and is dedicated to exciting students about math and science. It is our intention to help students combine the lessons they have learned in the classroom with their own interests and discoveries.

We award student efforts through recognition and prizes at our fair; however, we firmly believe that beyond the cash and academic opportunities associated with winning projects, there is a reward of greater significance for every student who completes a science fair project. A science fair project can be the ultimate answer to the often asked question, "Why do I have to learn this stuff anyway?" It can also be a self validating and exciting experience because it is not just practice. It involves real discovery of little known information or even unknown concepts or ideas. This is the process we want to foster and encourage—we hope that you will also!

Central Utah Science & Engineering Committee



## Tentative Schedule

Please note that only the ELEMENTARY COMPETITIONS are divided by school district. The following chart indicates the dates that each district will be setting up and competing at the Brigham Young University Conference Center. All junior and senior division students compete on the same day.

<u>March 23-24 2009</u> Alpine School District Nebo School District Provo School District Home Schools	
<b>Elementary Division I—March 23-24, 2009</b>	
<b>Monday March 23</b>	
Check-in and Setup	4:00-6:00 PM
Elementary Projects Open to the Public	6:00-8:00 PM
<b>Tuesday March 24</b>	
Judges' Preview	11:00 AM-Noon
Lunch & Student Activities	11:00 AM-Noon
Judging Interviews (Students and Judges Only)	Noon-2:00 PM
Fair Open to the Public	2:00-3:30 PM
Student Activities	2:00-3:30 PM
Project Tear Down & Shuttles to Awards Ceremony	3:30-4:00 PM
Door Prize Drawings	4:00 PM
Awards Ceremony	4:30 PM
Shuttles to BYU Conference Center	5:30 PM

<u>March 24-25, 2009</u> Jordan School District Wasatch School District Charter Schools Private Schools	
<b>Elementary Division II—March 24-25, 2009</b>	
<b>Tuesday March 24</b>	
Check-in and Setup	5:00-7:00 PM
Elementary Projects Open to the Public	7:00-9:00 PM
<b>Wednesday March 25</b>	
Judges' Preview	9:00-10:00 AM
Judging Interviews (Students and Judges Only)	10:00 AM-Noon
Lunch & Student Activities	Noon-2:30 PM
Fair Open to the Public	Noon-2:30 PM
Project Tear Down	2:30 PM
Shuttles to Elementary Awards Ceremony	2:45-3:15 PM
Door-Prize Drawings	3:15-3:30 PM
Awards Ceremony	3:30 PM
Shuttles to BYU Conference Center	4:30 PM

<b>Junior &amp; Senior Divisions—March 25-26, 2009</b>	
<b>Wednesday March 25</b>	
Check-in and Setup	5:00-7:30 PM
Fair Open to the Public	7:30-9:00 PM
<b>Thursday March 26</b>	
Judges' Preview	8:00-9:00 AM
Judging Interviews (Students and Judges Only)	9:00 AM-Noon
Lunch	Noon-2:00 PM
Student Activities	Noon-2:00 PM
Fair Open to the Public	Noon-2:00 PM
Door-Prize Drawings	2:00-2:30 PM
Final Judging	2:30-3:30 PM
Project Clean-up	3:30 PM
Grand Awards Ceremony	7:00-9:00 PM

## AWARDS

Students have the opportunity to compete for more than \$50,000 in cash and prizes including scholarships and the opportunity to represent Central Utah at the Intel International Science & Engineering Fair or the Discovery Channel Young Scientist Challenge.

Category awards are given in each of the categories listed in this brochure. There will be awards presented to the first-, second-, and third-place winners in the junior and senior divisions, and the top sixteen projects in each category in the elementary division. Each of these winners will receive a trophy and a cash award.

For a complete list of all Special Awards, Category Awards and Grand Awards, including scholarships, please visit our website: <http://cusef.byu.edu>.

