

2014 Central Alabama Regional Science & Engineering Fair (CARSEF)

Team Entry Form

Incomplete entry forms will not be processed

PLEASE PRINT CLEARLY OR TYPE

Deadline

January 24, 2014

Team Participants (up to 3 members):

Student 1 *Team Leader*

Name of Student _____ Age _____ Gender _____ Grade _____

Address (street, city, zip) _____

Telephone _____ E-mail _____

Student 2

Name of Student _____ Age _____ Gender _____ Grade _____

Address (street, city, zip) _____

Telephone _____ E-mail _____

Student 3

Name of Student _____ Age _____ Gender _____ Grade _____

Address (street, city, zip) _____

Telephone _____ E-mail _____

School Name/District _____ Telephone _____

School Address (street, city, zip) _____

Sponsoring Teacher _____ Email _____ Telephone _____

Local/school fair participated in/Date _____

Project Title _____

Which major category letter best describes your project? (Place letter in box)

Category descriptions are on the back of this entry form.

Teams will now compete in the scientific category of their research and will no longer be a separately judged category.

- A. Biology (including microbiology)
- B. Chemistry (including biochemistry)
- C. Engineering
- D. Environmental and Earth Science
- E. Mathematics and Computer Sciences

- F. Medicine and Health Sciences
- G. Physical Sciences (including space science)
- H. Behavioral and Social Sciences
- I. Energy and Transportation

All applicants to the Regional Fair must complete this entry form along with the following five forms:

1. Form 1 - Checklist for Adult Sponsor
2. Form 1A - Student Checklist
3. Research Plan
4. Form 1B - Approval Form
5. Abstract and Certification Form

Our project meets all requirements for entry into the INTEL International Science and Engineering Fair, and we wish to compete for a position at the State or International Fair.

Our project does NOT meet all timing or paperwork requirements for entry into the INTEL International Science and Engineering Fair, but we wish to compete for local prizes.

We are middle school students and we understand that as such we will be competing for local prizes and entry into the State Fair, but not for entry into International Fairs.

We certify that we will abide by the regulations of the Central Alabama Regional Science and Engineering Fair (CARSEF). **The project submitted won a 1st-3rd place prize in a category at a school fair or is being certified by the teacher as representing a school.** Please call if your school fair will be held between January 24 and March 1 for entry into the March 1, 2014 CARSEF.

Signature of Team Leader: _____ **Team Leader's Parents:** _____

Signature of Sponsoring Teacher: _____

Send completed applications to CARSEF, c/o UAB-CORD, 5th Floor CHSB 19, 933 19th Street South, Birmingham, AL 35294-2041. For additional information, Call (205)934-5125 (CARSEF office) or (205)934-5171 (CORD main office) or e-mail us at kjarrett@uab.edu.

CARSEF Category Descriptions

A. Biology (including microbiology)

Cell Biology
Cell and Molecular Genetics
Immunology
Molecular Biology
Antibiotics, Antimicrobials
Bacteriology
Microbial Genetics
Virology
Animal Development
Animal Ecology
Animal Husbandry
Animal Pathology
Animal Physiology
Animal Population Genetics
Animal Systematics

Plant Systematics, Plant Genetics
Plant Agriculture/Agronomy
Photosynthesis
Plant Evolution

E. Mathematics and Computer Sciences

Algebra
Analysis
Applied Mathematics
Geometry
Probability and Statistics
Algorithms, Databases
Artificial Intelligence
Networking and Communications
Computational Science, Computer Graphics
Software Engineering, Programming Languages
Computer System, Operating System

B. Chemistry (including biochemistry)

General Biochemistry
Metabolism
Structural Biochemistry
Analytical Chemistry
Inorganic Chemistry
Organic Chemistry
Physical Chemistry
General Chemistry

F. Medicine and Health Sciences

Disease Diagnosis and Treatment
Epidemiology
Genetics
Molecular Biology of Diseases
Physiology and Pathophysiology

C. Engineering

Bioengineering
Civil, Construction, Chemical, Industrial,
Electrical, Computer, and
Mechanical Engineering
Processing
Material Science
Thermodynamics, Solar
Robotics

G. Physical Sciences (including space science)

Astronomy
Atoms, Molecules, Solids
Biological Physics
Instrumentation and Electronics
Magnetics and Electromagnetics
Nuclear and Particle Physics
Optics, Lasers, Masers
Theoretical Physics
Theoretical or Computational Astronomy

D. Environmental and Earth Science

Climatology, Weather
Geochemistry, Mineralogy
Paleontology
Geophysics
Planetary Science
Tectonics
Air Pollution and Air Quality
Soil Contamination and Soil Quality
Water Pollution and Water Quality
Bioremediation
Ecosystems Management
Environmental Engineering
Land Resource Management, Forestry
Recycling, Waste Management
Plant Development
Plant Ecology, Plant Physiology

H. Behavioral and Social Sciences

Clinical and Developmental Psychology
Cognitive Psychology
Physiological Psychology
Sociology

I. Energy and Transportation

Aerospace and Aeronautical Engineering
Aerodynamics
Alternative Fuels
Fossil Fuel Energy
Vehicle Development
Renewable Energies