

2023 Central Alabama Regional Science & Engineering Fair (CARSEF)

Team Entry Form

Incomplete entry forms will not be processed

PLEASE PRINT CLEARLY OR TYPE

Deadline

February 1, 2023

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 _____

***Note: You will be contacted via email with important CARSEF information.
Please provide an accurate email address as requested above.**

School Name _____ Telephone _____

Sponsoring Teacher _____ Email _____

Project Title _____

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

Category descriptions are on the back of this entry form.

This is the category you will compete in at CARSEF

- | | |
|---------------------------------------|--|
| A. Biology (including microbiology) | F. Medicine and Health Sciences |
| B. Chemistry (including biochemistry) | G. Physical Sciences (including space science) |
| C. Engineering | H. Behavioral and Social Sciences |
| D. Environmental and Earth Science | I. Energy and Transportation |
| E. Mathematics and Computer Sciences | |

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/Project Summary
4. Form 1B - Approval Form
5. Abstract and Certification Form

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

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). Please call if your school fair will be held between January 31 and March 4 for entry into the March 4, 2023 CARSEF.

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

Signature of Sponsoring Teacher: _____

***EMAIL COMPLETED APPLICATIONS TO KEVIN JARRETT 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

B. Chemistry (including biochemistry)

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

C. Engineering

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

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
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

F. Medicine and Health Sciences

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

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

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