

State Science and Engineering Fair Structure

The SSEF structure will help Donors select their award criteria. Each project at the SSEF is assigned to one of these Categories. Projects are further divided into two divisions: Biological Sciences and Physical Sciences, with the following fourteen Categories:

NOTE: There is NO longer a specified category for TEAM PROJECTS separate from the INDIVIDUAL PROJECTS. TEAM PROJECTS will select one of the following categories and be judged along with the INDIVIDUAL PROJECTS.

CLARIFICATION OF CATEGORIES

Behavioral and Social Sciences

Clinical & Developmental
Psychology
Cognitive Psychology
Physiological Psychology
Sociology
Anthropology
Archeology
Animal Behavior
Urban Problems
Other

Biochemistry

General Biochemistry
Metabolism
Structural Biochemistry
Molecular Biology
Other

Botany

Agriculture/Agronomy
Development
Ecology
Genetics
Plant Physiology (molecular, Cellular, organismal)

Chemistry

General/ Analytical Chemistry
Inorganic/ Organic Chemistry
Physical Chemistry
Other

Computer Science

Algorithms, Data Bases
Artificial Intelligence
Networking/ Communications
Computational Science, Computer Graphics
Software Engineering, Programming Languages
Computer System, Operating System
Other

Earth and Planetary Science

Climatology, Weather
Geochemistry, Mineralogy
Paleontology
Geophysics
Planetary Science
Tectonics
Other

Engineering

Electrical, Computer, Controls
Mechanical
Robotics
Thermodynamics, Solar
Bioengineering
Civil, Construction
Chemical
Industrial, Processing
Material Science
Aerospace, Aeronautical, Aerodynamics
Alternative Fuels
Fossil Fuel
Vehicle Development
Renewable Energies

Environmental Science

Bioremediation
Ecosystems Management
Environmental Engineering
Land Resource Management, Forestry
Recycling, Waste Management
Air Pollution and Air Quality
Soil Contamination and Soil Quality
Water Pollution and Water Quality
Other

Mathematics

Algebra
Analysis
Applied Mathematics
Geometry
Probability and Statistics
Other

Medicine and Health Sciences

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

Microbiology

Antibiotics, Antimicrobials
Bacteriology
Microbial Genetics
Virology
Other

Physics & Astronomy

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

Zoology

Animal Development
Ecology
Animal History
Pathology
Physiology
Population Genetics
Systematics
Other