

## ❖ Intel ISEF Categories and Subcategories ❖

The categories have been established with the goal of better aligning judges and student projects for the judging at the Intel ISEF. Local, regional, state and country fairs may or may not choose to use these categories, dependent on the needs of their area. Please check with your affiliated fair(s) for the appropriate category listings at that level of competition.

Please visit our website at [www.societyforscience.org/Page.aspx?pid=470](http://www.societyforscience.org/Page.aspx?pid=470) for a full description and definition of the Intel ISEF categories:

### **ANIMAL SCIENCES**

Development  
Ecology  
Animal Husbandry  
Pathology  
Physiology  
Populations Genetics  
Systematics  
Other

### **BEHAVIORAL & SOCIAL SCIENCES**

Clinical & Developmental Psychology  
Cognitive Psychology  
Physiological Psychology  
Sociology  
Other

### **BIOCHEMISTRY**

General Biochemistry  
Metabolism  
Structural Biochemistry  
Other

### **CELLULAR AND MOLECULAR BIOLOGY**

Cellular Biology  
Cellular and Molecular Genetics  
Immunology  
Molecular Biology  
Other

### **CHEMISTRY**

Analytical Chemistry  
General Chemistry  
Inorganic Chemistry  
Organic Chemistry  
Physical Chemistry  
Other

### **COMPUTER SCIENCE**

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

### **EARTH & PLANETARY SCIENCE**

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

### **ENGINEERING: Electrical & Mechanical**

Electrical Eng., Computer Eng., Controls  
Mechanical Engineering,  
Robotics  
Thermodynamics, Solar  
Other

### **ENGINEERING: Materials & Bioengineering**

Bioengineering  
Civil Engineering, Construction Eng.  
Chemical Engineering  
Industrial Engineering, Processing  
Material Science  
Other

### **ENERGY & TRANSPORTATION**

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

### **ENVIRONMENTAL MANAGEMENT**

Bioremediation  
Ecosystems Management  
Environmental Engineering  
Land Resource Management, Forestry  
Recycling, Waste Management  
Other

### **ENVIRONMENTAL SCIENCES**

Air Pollution and Air Quality  
Soil Contamination and Soil Quality  
Water Pollution and Water Quality  
Other

### **MATHEMATICAL SCIENCES**

Algebra  
Analysis  
Applied Mathematics  
Geometry  
Probability and Statistics  
Other

### **MEDICINE & 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 AND 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

### **PLANT SCIENCES**

Agriculture/Agronomy  
Development  
Ecology  
Genetics  
Photosynthesis  
Plant Physiology (Molecular, Cellular, Organismal)  
Plant Systematics, Evolution  
Other