

# Categories for Science Fair Projects

## ***Individual – 12 Categories:***

### Engineering/Physical Sciences:

- Chemistry
- Computers
- Earth/Space Science
- Engineering
- Mathematics
- Physics

### Life Sciences

- Behavioral/Social
- Biochemistry/Microbiology
- Botany
- Environmental Science
- Medicine/Health
- Zoology

## ***Team (two people)***

- Engineering/Computers/Mathematics
- Physical Sciences
- Behavioral/Chemistry/Medicine & Health
- Botany/Environmental/Zoology

**Behavioral/Social Sciences:** Psychology, sociology, anthropology, archeology, ethiology, ethnology, linguistics, animal behavior (learned or instinctive), learning, perception, urban problems, reading problems, public opinion surveys, and education testing, etc.

**Biochemistry/Microbiology:** Molecular biology, molecular genetics, enzymes, photosynthesis, blood chemistry, protein chemistry, food chemistry, hormones, bacteriology, virology, protozoology, fungal and bacterial genetics, yeast, etc.

**Botany:** Agriculture, agronomy, horticulture, forestry, plant biorhythms, palynology, plant anatomy, plant taxonomy, plant physiology, plant pathology, plant genetics, hydroponics, algology, mycology, etc.

**Chemistry:** Physical chemistry, organic chemistry (other than biochemistry), inorganic chemistry, materials, plastics, fuels, pesticides, metallurgy, soil chemistry, etc.

**Computers:** New developments in software or hardware, information systems, computer systems organization, computer methodologies, and data (including structures, encryption, coding and information theory), etc.

**Earth/Space Sciences:** Geology, geophysics, physical oceanography, meteorology, atmospheric physics, wormology, petroleum, geography, speleology, mineralogy, topography, optical astronomy, radio astronomy, astrophysics, etc.

**Engineering:** Civil mechanical, aeronautical chemical, electrical, photographic, sound, automotive, marine, heating and refrigerating, transportation, environmental engineering, etc. Power transmission and generation, electronics, communications, architecture, bioengineering, lasers, etc.

**Environmental Science:** Pollution (air, water, land), pollution sources and their control, waste disposal, impact studies, environmental alteration (heat, light, irrigation, erosion, etc.), ecology.

**Mathematics:** Calculus, geometry, abstract algebra, number theory, statistics, complex analysis, probability, topology, logic, operations research, and other topics in pure and applied mathematics.

**Medicine/Health:** Medicine, dentistry, pharmacology, veterinary medicine, pathology, ophthalmology, nutrition, sanitation, pediatrics, dermatology, allergies, speech and hearing, optometry, etc.

**Physics:** Solid state, optics, acoustics, particle, nuclear, atomic, plasma, superconductivity, fluid and gas dynamics, thermodynamics, semiconductors, magnetism, quantum mechanics, biophysics, etc.

**Zoology:** Animal genetics, ornithology, ichthyology, herpetology, entomology, animal ecology, anatomy, paleontology, cellular physiology, animal biorhythms, animal husbandry, cytology, histology, physiology, neurophysiology, invertebrate biology, etc.