

## Scientific Categories for Research

All projects must fit in to one of the following categories.

- Behavioral Psychology (BEH)** The systematic investigation of mental phenomena for both humans and animals, especially those associated with consciousness, behavior, and the problems of adjustment to the environment. This includes but is not limited to projects involving psychology, learning perception, perception problems, and educational testing.
- Biochemistry (BC)** The study of chemistry within living organisms with emphasis on the process. This includes but is not limited to projects involving: blood chemistry, protein chemistry and plant genetics.
- Biology (BIO)** This category is for life science projects which do not fall into any other category. This includes but is not limited to projects involving: human medicine, dentistry, dermatology and allergies.
- Botany (BOT)** The study of plants. This includes but is not limited to projects involving: plant physiology, plant anatomy, plant pathology, and plant genetics.
- Chemistry (CHM)** The study of the composition of matter and how it can change. This includes but is not limited to projects involving: physical chemistry, organic chemistry (other than biochemistry), inorganic chemistry, and chemical engineering.
- Computer Science (CPS)** The development of computer programs, language, and hardware. If the paper deals with any of these used as a tool to obtain or analyze data then it should be entered in the category of its major thrust.
- Earth and Space (ES)** The study of the earth and extraterrestrial bodies and the processes affecting them. This includes, but is not limited to projects involving: geology, oceanography, meteorology, and astronomy.
- Ecology (ECO)** The study of the interactions and relationships of living things to their environment and to each other. This includes but is not limited to projects involving: pollution, environmental alterations, and ecosystem analysis.
- Mathematics (MAT)** The study of numbers both pure and applied. This includes but is not limited to projects involving: algebra, calculus, geometry, statistics, topology, operations research, and number theory.
- Microbiology (MIC)** The study of organisms ONLY at the microscopic level. This includes but is not limited to projects involving: bacteriology, virology, protozoology, mycology, algology, palynology, fungal and bacterial genetics, and yeast.
- Physics (PHY)** The study of matter and motion. This includes but is not limited to projects involving: the traditional subset of physics (i.e. statics, dynamic, optics, acoustics, heat, and electricity) and applied physics (mechanical, electrical, and civil engineering).
- Zoology (ZOO)** The study of animals. This includes but is not limited to projects involving: animal physiology, animal anatomy, animal pathology, and animal genetics.