

Regional Science Fair Project Categories - 2008

5th-8th grades

Category	Description
Animal Sciences	Study of animals and animal life, including the study of the structure, physiology, development, and classification of animals. Animal ecology, physiology, animal husbandry, cytology, histology, entomology, ichthyology, ornithology, herpetology, etc.
Behavioral and Social Sciences	The science or study of the thought processes and behavior of humans and other animals in their interactions with the environment studied through observational and experimental methods.
Cellular and Molecular Biology	The study of the structure and formation of cells.
Chemistry	The science of the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems.
Earth and Planetary Science	The study of sciences related to the planet Earth (Geology, mineralogy, physiography, oceanography, meteorology, climatology, speleology, seismology, geography, atmospheric sciences, etc.)
Engineering	The application of scientific and mathematical principles to practical ends such as the design, manufacture, and operation of efficient and economical structures, processes, and systems OR the application of scientific and mathematical principles to practical ends such as the design, manufacture, and operation of efficient and economical machines and systems.
Environmental Sciences	The study of managing mans' interaction with the environment OR the analysis of existing conditions of the environment.

Category	Description
Microbiology	The study of micro-organisms, including bacteria, viruses, prokaryotes, and simple eukaryotes and of antibiotic substances.
Physics and Astronomy	Physics is the science of matter and energy and of interactions between the two. Astronomy is the study of anything in the universe beyond the Earth.
Plant Sciences	Study of plant life. Ecology, agronomy, horticulture, forestry, plant taxonomy, physiology, pathology, plant genetics, hydroponics, algae, etc.