Project Categories

1. Animal Sciences	Animal genetics, development, paleontology, histology, animal ecology, animal physiology, animal husbandry, pathology, invertebrate biology, systematics, etc.
2. Behavioral and Medical Science	Clinical & developmental psychology, cognitive psychology, physiological psychology, sociology, ethnology, archaeology, linguistics, learning, perception, urban problems, surveys, public opinion, etc.
3. Biochemistry	Genetics; enzymes, blood, protein or food chemistry, metabolism, structural biochemistry, general biochemistry, hormones, etc.
4. Cellular and Molecular Biology	Cellular biology, molecular biology, protozoology, yeast, fungal and bacterial genetics, cellular & molecular genetics, immunology, etc.
5. Chemistry	Materials, plastics; fuels; pesticides; metallurgy; analytical, organic, inorganic, physical, or soil chemistry, general chemistry, etc.
6. Computer Science	Computer software & hardware, algorithms, artificial intelligence, information & operating systems, computer methodologies, systems organization, data bases, encryption, coding, information theory, internet networking and communications, graphics, computational science, etc.
7. Earth Science	Geology, geophysics, seismology, oceanography, topography, mineralogy, petroleum, geography, atmospheric physics, climatology, weather, tectonics, geochemistry, paleontology, planetary science, geochemistry, etc.
8. Engineering: **Electrical and Mechanical**	Mechanical, electrical, computer, acoustical, photographic, heating and refrigeration (including solar), electronics, power transmission and generation, thermodynamics, communications, etc.
9. Engineering: **Materials and Bioengineering**	Bioengineering, civil engineering, construction engineering, chemical engineering, industrial engineering, processing, material science, architecture, etc.
10. Energy and Transportation	Aerospace and aeronautical engineering, aerodynamics, alternative fuels, fossil fuel energy, vehicle development, renewable energies, etc.
11. Environmental Sciences	Pollution (air, water, soil), Quality (air, water, soil), pollution sources and control of them, environmental alteration (heat, light, irrigation, erosion), etc.).
12. Environmental Management	Bioremediation, ecosystems management, environmental engineering, land resource management forestry, recycling, waste management, impact studies, etc.
13. Mathematical Science	Calculus, geometry, algebra, logic, number theory, statistics, probability, analysis, operations research, pure and applied mathematics.
14. Medicine and Health Science	Medicine, disease diagnosis and treatment, epidemiology, physiology, genetics, dentistry, pharmacology, pathology, allergies, dermatology, ophthalmology, pediatrics, nutrition, speech and hearing, etc.
15. Microbiology	Antibiotics, antimicrobials, bacteriology, microbial genetics, virology, etc.
16. Physics and Astronomy	Astronomy, atoms, molecules, solids, optics, lasers, masers, instrumentation and electronics, particle, nuclear, atomic or plasma physics, fluid and gas dynamics, , magnetics and electromagnetics, quantum mechanics, optical astronomy, astrophysics, biological physics, theoretical physics, etc.
17. Plant Science	Agriculture, agronomy, ecology; horticulture, forestry, photosynthesis, mycology, plant development; hydroponics, plant physiology, pathology, or genetics, taxonomy, or biorhythms; plant systematics, evolution, etc.
18. Team Projects *	Study conducted by two or three students in any discipline *teacher approval required