

## High School Project Categories

<b>CATEGORY 1: LIFE SCIENCES</b>	
Comparative Anatomy Comparative Physiology Histology Embryology and Development Animal Behavior Biogeography Developmental Genetics Mendelian Genetics Population Genetics Evolution	Systematics Biological Modeling Ecology Ecosystems Management Conservation Biology Land Resource Management, Forestry Agriculture/Agronomy Urban Horticulture Western Water Conservation Issues
<b>CATEGORY 2: BIOCHEMISTRY, CELLULAR AND MOLECULAR BIOLOGY, and MICROBIOLOGY</b>	
General Biochemistry Metabolism Structural Biochemistry Genetics Cellular Biology Cellular and Molecular Genetics Immunology Endocrinology Neurobiology Molecular Biology	Molecular Evolution Molecular Evolution Antibiotics, Antimicrobials Bacteriology Microbial Systems Microbial Genetics Virology Pathology Bioremediation Biotechnology
<b>CATEGORY 3: CHEMISTRY and ENVIRONMENTAL ANALYSIS</b>	
Analytical Chemistry Inorganic Chemistry Organic Chemistry Physical Chemistry	General Chemistry Air Pollution and Air Quality Soil Contamination and Soil Quality Water Pollution and Water Quality
<b>CATEGORY 4: COMPUTER SCIENCE</b>	
Algorithms, Data Bases Artificial Intelligence Networking and Communications	Computational Science, Computer Graphics Software Engineering, Programming Languages Computer System, Operating System
<b>CATEGORY 5: EARTH SCIENCE and GEOSCIENCE</b>	
Meteorology, Climatology, Weather Geochemistry, Mineralogy Paleontology Geophysics Planetary Science Tectonics Volcanology Mineraology Paleontology	Structural Geology Geochemistry Geomorphology Geochronology Stratigraphy and Sedimentation Petroleum Geology Hydrogeology Hydrogeochemistry Metallic Ore Deposits

The Beal Savings Bank  
 2007 Southern Nevada Regional Science and Engineering Fair

## High School Project Categories

<b>CATEGORY 6: ENGINEERING</b>	
Energy & Transportation Aerospace and Aeronautical Engineering, Aerodynamics Alternative Fuels Fossil Fuel Energy Vehicle Development Renewable Energies Environmental Engineering Recycling, Waste Management	Materials Civil Engineering, Construction Engineering Chemical Engineering Industrial Engineering, Processing Material Science Electrical & Mechanical Electrical Engineering, Computer Engineering, Controls Mechanical Engineering Thermodynamics, Solar Robotics
<b>CATEGORY 7: MEDICINE &amp; HEALTH SCIENCES</b>	
Disease Diagnosis and Treatment Molecular Biology of Pathogenicity Epidemiology	Physiology and Pathophysiology Bioengineering
<b>CATEGORY 8: PHYSICS, ASTRONOMY and MATHEMATICS</b>	
Astronomy Atoms, Molecules, Solids Biological Physics Instrumentation and Electronics Magnetics and Electromagnetics Nuclear and Particle Physics Optics, Lasers, Masers	Theoretical Physics, Theoretical or Computational Astronomy Algebra Analysis Applied Mathematics Geometry Probability and Statistics