AACPS Regional Science & Engineering Expo
 Categories and Subcategories*

**Animal Sciences**
- Animal Behavior
- Cellular Studies
- Development
- Ecology Genetics
- Nutrition and Growth
- Physiology
- Systematics and Evolution
- Other

**Behavioral & Social Sciences**
- Clinical and Developmental Psychology
- Cognitive Psychology
- Physiological Psychology
- Sociology and Social Psychology
- Other

**Biochemistry**
- Analytical Biochemistry
- General Biochemistry
- Medicinal Biochemistry
- Structural Biochemistry
- Other

**Biomedical Engineering**
- Biomaterials and Regenerative Medicine
- Biomechanics
- Biomedical Devices
- Biomedical Imaging
- Cell and Tissue Engineering
- Synthetic Biology
- Other

**Chemistry**
- Analytical Chemistry
- Computational Chemistry
- Environmental Chemistry
- Inorganic Chemistry
- Materials Chemistry
- Organic Chemistry
- Physical Chemistry
- Other

**Earth and Astronomy**
- Astronomy and Cosmology
- Atmospheric Science
- Climate Science
- Computational Astrophysics
- Geosciences
- Water Science
- Other

**Energy: Chemical**
- Alternative Fuels
- Computational Energy Science
- Fossil Fuel Energy
- Fuel Cells and Battery Development
- Microbial Fuel Cells
- Solar Materials
- Other

**Energy: Physical**
- Hydro Power
- Nuclear Power
- Solar
- Thermal Power
- Wind
- Other

**Engineering Mechanics**
- Aerospace and Aeronautical Engineering
- Civil Engineering
- Computational Mechanics
- Control Theory
- Ground Vehicle Systems
- Industrial Engineering-Processing
- Mechanical Engineering-Processing
- Mechanical Engineering
- Naval Systems
- Other

**Environmental Science**
- Bioremediation
- Environmental Effects on Ecosystems
- Land Reclamation
- Pollution Control
- Recycling and Waste Management
- Water Resources Management
- Other

**Health Sciences**
- Epidemiology
- Exercise
- Nutrition
- Physiology and Pathology
- Other

**Intelligent Machines/Robotics**
- Biomechanics
- Cognitive Systems
- Control Theory Machine Learning Robot
- Kinematics
- Other

**Materials Science**
- Biomaterials
- Ceramic and Glasses
- Composite Materials
- Computation and Theory
- Electronic, Optical, and Magnetic Materials
- Nanomaterials
- Polymers
- Other

**Mathematics**
- Algebra
- Analysis
- Combinatorics, Graph Theory, and Game Theory
- Geometry and Topology
- Number Theory
- Probability and Statistics
- Other

**Medical Sciences**
- Disease Detection and Diagnosis
- Disease Prevention
- Disease Treatment and Therapies
- Pre-Clinical Studies
- Other

**Microbiology**
- Antimicrobials and Antibiotics
- Applied Microbiology
- Bacteriology
- Environmental Microbiology
- Microbial Genetics
- Virology
- Other

**Physics**
- Atomic, Molecular, and Optical Physics
- Biological Physics
- Computational Physics
- Condensed Matter and Materials
- Instrumentation
- Magnetics, Electromagnetics, and Plasmas
- Mechanics
- Nuclear and Particle Physics
- Optics, Lasers, Masers
- Quantum Computation
- Theoretical Physics
- Other

**Plant Sciences**
- Agronomy Ecology
- Genetics/Breeding
- Growth and Development
- Pathology
- Physiology
- Systematics and Evolution
- Other

**Sustainable Design**
- Affordable and Clean Water
- Clean Water and Sanitation
- Climate Action
- Communities
- Responsible Consumption and Production
- Energy
- Gender Equality
- Good Health and Well-Being
- Industry, Innovation, and Infrastructure
- Life Below Water
- Life on Land
- No Poverty
- No Hunger
- Quality Education
- Sustainable Cities and Other

**Systems Software**
- Algorithms
- Cybersecurity
- Databases
- Operating Systems
- Programming Languages
- Other

*Place your project in the closest related category. If you are unsure what category to choose, contact your science teacher. If you still have questions, contact the Office of Science: Valerie Wesner, vnesner@aacps.org