



Washington State Science and Engineering Fair

WSSEF Category Definitions for 2011

<p><u>Animal Sciences (AS)</u> Development Ecology Animal Husbandry Pathology Physiology Populations Genetics Systematics Other</p>	<p><u>Earth & Planetary Science (EA)</u> Climatology, Weather Geochemistry, Mineralogy Paleontology Geophysics Planetary Science Tectonics Other</p>	<p><u>Mathematical Sciences (MA)</u> Algebra Analysis Applied Mathematics Geometry Probability and Statistics Other</p>
<p><u>Behavioral & Social Sciences (BE)</u> Clinical & Developmental Psychology Cognitive Psychology Physiological Psychology Sociology Other</p>	<p><u>Engineering: Electrical & Mechanical (EE)</u> Electrical Engineering Computer Engineering Controls Mechanical Engineering Robotics Thermodynamics Solar Other</p>	<p><u>Medicine & Health Sciences (ME)</u> Disease Diagnosis & Treatment Epidemiology Genetics Molecular Biology of Diseases Physiology & Pathophysiology Other</p>
<p><u>Biochemistry (BI)</u> General Biochemistry Metabolism Structural Biochemistry Other</p>	<p><u>Engineering: Materials & Bioengineering (EN)</u> Bioengineering Civil Engineering Construction Engineering Chemical Engineering Industrial Engineering, Processing Material Science Other</p>	<p><u>Microbiology (MI)</u> Antibiotics & Antimicrobials Bacteriology Microbial Genetics Virology Other</p>
<p><u>Cellular & Molecular Biology (CB)</u> Cellular Biology Cellular & Molecular Genetics Immunology Molecular Biology Other</p>	<p><u>Energy & Transportation (ET)</u> Aerospace & Aeronautical Engineering Aerodynamics Alternate Fuels Fossil Fuel Energy Vehicle Development Renewable Energies Other</p>	<p><u>Physics & Astronomy (PH)</u> Atoms, Molecules, Solids Astronomy Biological Physics Instrumentation & Electronics Magnetics & Electromagnetics Nuclear & Particle Physics Optics, Lasers, Masers Theoretical Physics, Theoretical or Computational Astronomy Other</p>
<p><u>Chemistry (CH)</u> Analytical Chemistry General Chemistry Inorganic Chemistry Organic Chemistry Physical Chemistry Other</p>	<p><u>Environmental Management (EM)</u> Bioremediation Ecosystems Environmental Engineering Land Resource Management Forestry Recycling, Waste Management Other</p>	<p><u>Plant Sciences (PS)</u> Agriculture/ Agronomy Development Ecology Genetics Photosynthesis Plant Physiology (Molecular/ Cellular, Organismal) Plant Systematics, Evolution Other</p>
<p><u>Computer Science (CS)</u> Algorithms, Data Bases Artificial Intelligence Networking & Communications Computational Science Computer Graphics Software Engineering Programming Languages Computer System Operating System Other</p>	<p><u>Environmental Sciences (EV)</u> Air Pollution & Air Quality Soil Contamination & Soil Quality Water Pollution and Water Quality Other</p>	