

CATEGORY DESCRIPTIONS

Your project will be assigned to one of these categories. This list might even give you some good topic ideas. If you already know what you want to do but you don't see your topic listed here, it will fit into one of these, never fear! Ask CREST staff for help choosing a category if needed.

High School Categories at the Northwest Science Expo (CREST categories will combine some of these)

<p>Animal Science Development Ecology Genetics Animal Husbandry Pathology Psychology Systematic</p>	<p>Behavioral and Social Sciences Human and animal behavior Social and community relationships- psychology sociology anthropology archaeology linguistics learning perception urban problems public opinion surveys</p>
<p>Chemistry physical chemistry organic chemistry inorganic chemistry</p> <p>Consumer Products Testing Comparison of product quality, effectiveness, usefulness, economy, cost, smell, environmental friendliness, etc.</p>	<p>Earth Science Geology Mineralogy Climatology Oceanography Meteorology Seismology Geography Tectonics Planetary science Astronomy</p>
<p>Energy Alternative fuels Fossil fuel energy Renewable energy Energy efficiency Thermodynamics solar, wind, water, microbial, biofuel</p>	<p>Engineering Transportation Chemical Vehicle development Electrical Aerodynamics Aerospace and aeronautical engineering</p>
<p>Engineering: Mechanical and Materials Building machines to solve problems Hydraulics Structural designs Materials testing</p>	<p>Environmental Science Study of pollution (air, water, and land) sources and their control Ecology</p>
	<p>Medicine and Health Study of diseases and health of humans and</p>

<p>Mathematics and Computer Science</p> <p>Study and development of computer software and hardware and associated logical devices. Programming a robot. Development of formal logical systems or various numerical and algebraic computations, and the application of these principles-</p> <p>Calculus Geometry Abstract algebra Number theory Statistics Complex analysis Probability</p>	<p>animals- dentistry pharmacology pathology ophthalmology nutrition sanitation pediatrics dermatology allergies speech and hearing</p>
<p>Microbiology</p> <p>Antibiotics, Antimicrobials Bacteriology Microbial Genetics Virology</p>	<p>Physics: Electromagnetic</p> <p>Electricity Optics Magnetics Light</p>
<p>Physics: Mechanics</p> <p>Sound Friction Velocity Heat Newton's three laws</p>	<p>Plant Science</p> <p>Agriculture/Agronomy Development Ecology Genetics Photosynthesis Plant Physiology</p>