



# Badger State Science and Engineering Fair

## Specialty Awards

Please check the Specialty Awards for which you would like to be considered.

**Awards will be divided between team members.**

Check Here	Specialty Award	Criteria	Special Eligibility Requirements
	<b>Alpha Chi Sigma</b>	Top Chemistry Project	
	American Meteorological Society	Achievement for creative scientific endeavor in atmospheric and related oceanic & hydrologic Sciences	Atmospheric and related oceanic & hydrologic Sciences
	American Psychological Association (APA)	Outstanding research in psychology under the category of behavioral and social sciences.	Behavioral/Social Science psychology project
	<b>American Society for Clinical Laboratory Science</b>	Awarded to the project that best displays proper laboratory procedures. Emphasis is placed on experimental thoroughness, attention to scientific process detail and safety.	
	ASM International Materials Foundation	Materials – related concepts, demonstration of structure, processing, properties, performance relationships. Clarity of methods, aesthetics and presentation.	Project in Materials
	American Society for Quality (ASQ)	Project displaying the most effective and efficient use of basic quality tools including but are not limited to: <ul style="list-style-type: none"> <li>• Planning</li> <li>• Scheduling</li> <li>• Data Collection</li> <li>• Data Analysis</li> <li>• Efficient and Effective Implementation of Analysis Result Actions</li> </ul>	ASQ judges will review all projects and select the winner.
	Association of Women Geoscientists (AWG)	High standard of innovativeness and scientific excellence in the geosciences. Special considerations given to projects that increase the public awareness of the geosciences, illustrate the inter-disciplinary nature of the geosciences, or promote the sensitivity to the earth as a global system.	Project in geosciences  High school female student only
	ASU Walton Sustainability Solutions Initiative	Celebrating students who are social entrepreneurs, inventors, innovative designers, and creative thinkers and projects that bring a fresh perspective to sustainability problems.	
	Future Engineer Award presented by Milwaukee School of Engineering	The student who best highlights the design process in their project. Full scholarship to attend one of MSOE's residential summer programs in the student's chosen area.	Students currently in 9 <sup>th</sup> , 10 <sup>th</sup> , or 11 <sup>th</sup> grades
	<b>GENIUS Olympiad</b>	High School Science Fair project on global environmental issues, quality science on topics of human ecology, resources and energy or ecology and biodiversity.	Project focusing on Environmental issues
	Intel Excellence in Computer Science Award	To encourage increased participation on Computer Science, an important source of innovation for the 21 <sup>st</sup> century.	Computer Science project
	MacGyver Award from STI Engineering & American Science and Surplus	For the most creative use of an item or material in an application for which it was never intended by the manufacturer	

	MU Alpha Theta	The most challenging, original, thorough and creative investigation of a problem involving modern mathematics. (The project does not have to be entered into the math category.	Mathematics project
	NASA Earth System Science Award	Best project with an Earth Systems perspective. (Earth Systems considers interactions between the atmosphere, hydrosphere, geosphere, pedosphere, biosphere, magnetosphere etc. as well as the impact of human societies on these components.	
	National Oceanic and Atmospheric Administration (NOAA)	"Taking the pulse of the planet." General award whose research emphasizes NOAA's mission to understand and predict changes in the earth's environment and conserve and manage coastal and marine resources.	Environmental changes project
	Office of Naval Research (U.S. Department of the Navy/Marine Corps)	Project evaluated on scientific approach, original notebook, thoroughness, ingenuity & creativity, clarity, skill and student advancement in science. What the student learned about the subject and the process, their display exhibit, intelligent discussion and originality.	Project process focused
	RICOH Sustainable Development Award	Have principles and technical innovations that offer the greatest potential for increasing our ability to grow environmentally friendly and socially responsible businesses. Protect the environment, prevent pollution and use all resources in a sustainable manner	Environmentally focused project
	Society for In Vitro Biology (SIVB)	Plant or Animal In-Vitro Biology or Tissue Culture	Plant or animal In vitro biology project High school junior (11 <sup>th</sup> grade)
	International Society for Optics and Photonics (SPIE)	Scientific research and engineering applications of Optical, Photonic Imaging and Optoelectronic technologies.	Must apply optics or photonics related technology or techniques. Abstracts are judged.
	Stockholm Junior Water Prize	Improvement of the quality of life through water quality; water resources management; water protection or water and waste water treatment. Relevance: on originality, methodology and approach, subject matter knowledge and ingenuity. Open to theoretical and applied science-based projects.	Water Science Project  Student must submit research paper ASAP after State Fair
	United States Air Force	To encourage studies in Math, Science and Engineering. Look for projects that could have some Air Force applicability.	Math or science project with Air force applicability
	U.S. Metric Association	Project must involve a significant amount of quantitative data or measurements which best use the SI Metric System for those measurements.	Project containing Quantitative data measurements
	Yale Science & Engineering Association, Inc.	The most exhibit in Computer Science Engineering, Physics or Chemistry.	Computer Science, Engineering, Physics or Chemistry project High School Junior (11 <sup>th</sup> grade)
	<b>Philip Streich Memorial Award</b>	Focusing on positive environmental impact projects, especially those that mitigate climate change	