



STATE SCIENCE DAY 2010

<http://www.ohiosci.org/ssd.htm>

Hosted by The Ohio State University

Scholarships and Sponsored Awards: \$2,292,206

State Science Day is sponsored by The Ohio Academy of Science, American Electric Power, The Ohio Environmental Education Fund and Boehringer Ingelheim Roxane Inc. Hosted by The Ohio State University, Columbus, at French Field House and St. John Arena, on Saturday, May 8, 2010. The Ohio Academy of Science expresses its appreciation to the nearly than 100 sponsors of scholarships and awards at State Science Day. Valued at \$2,292,206, this list includes college scholarships, trips, cash, publications and bond prizes for students.

The Ohio Academy of Science

1500 W Third Ave Ste 228
Columbus OH 43212-2817
Phone 614.488.2228 • Fax 614.488.7629
Email oas@waynet.net • Website www.ohiosci.org

*Fostering Curiosity, Discovery
& Innovation
to Benefit Society.*

Roster of Scholarships and Sponsored Awards

<p>PLEASE NOTE:</p> <p>Please do not register for any award for which your project does not meet the criteria as given under "FOR" or if you are not within the grades listed. If you register for an award for which you are not eligible, you forfeit that award and you will not be allowed to register for a different award.</p> <p>If you are in grades 11 or 12, please do not register for a scholarship if you do not plan to attend that college or if you have already accepted admission to another college.</p> <p>All college scholarships are contingent upon admission and full-time enrollment in the college sponsoring the scholarship.</p> <p>DISCLAIMER The Ohio Academy of Science is not responsible for disqualification of any project by a sponsor, for a student not being interviewed, for any sponsor who does not appear to judge, or for any errors in this listing.</p>	<p>INDEX to Award Categories</p> <p>Please use this index to find awards that are appropriate for your grade level and research subject.</p> <p>College Scholarships. Pages 1-3</p> <p>Sponsored Awards that may span several award categories. Page 3</p> <p>Behavioral Sciences, Botany, Medicine and Health, Microbiology and Zoology. Pages 4</p> <p>Mathematics, Computer Science, Engineering and Physics. Pages 5-6</p> <p>Chemistry, Earth & Space Sciences & Environmental Sciences. Pages 6-7</p> <p>Team Awards Only Teams may ONLY register for awards from this section. Individual projects may NOT choose from this section. Page 7</p>
--	---

College Scholarships

Award # 001 - Baldwin-Wallace College Math and Science Scholarship

For: Outstanding project in math or one of the natural sciences including nutrition, neuroscience, and computer science

Grade: 11-12

Award: 1st, \$5,000 Scholarship; 2nd, \$3500 Scholarship; 3rd, \$2500 Scholarship. All must be enrolled full-time and all are renewable for three additional years if a 3.0 GPA is maintained in math or one of the natural sciences.

Sponsor: Baldwin-Wallace College

Award # 008 - Ohio State University Food and Agricultural Science Scholarship

For: Project that has a scientific application to a food and agricultural topic with current or future implications

Grade: 11-12

Award: \$1,000 scholarship; must be enrolled in the College of Food, Agricultural, & Environmental Sciences

Sponsor: Ohio State University, College of Food, Agricultural, and Environmental Sciences

Award # 010 - Shawnee State University Scholarship

For: Outstanding performance at State Science Day

Grade: 11-12

Award: \$1,000 scholarship
Sponsor: Shawnee State University

Award # 011 - University of Akron Scholarship

For: Outstanding performance in a science or engineering project

Grade: 12

Award: \$1,500 tuition scholarship, renewable for three additional years

Sponsor: University of Akron

Award # 012 - University of Toledo Science Achievement Scholarship

For: Outstanding science or mathematics project; intends to major in science, mathematics, or engineering fields; or science or mathematics education field
Grade: 11-12
Award: \$1,500 scholarship; renewable for three additional years with a cumulative GPA of 3.0 in science or mathematics
Sponsor: University of Toledo

Award # 132 - Ohio State University Biological Sciences Scholarship

For: Best project in Biochemistry, Botany, Environmental Sciences, Medicine & Health, Microbiology or Zoology
Grade: 11-12
Award: (2) \$500 scholarship; must be enrolled in a Biochemistry, Biology, Evolution and Ecology, Microbiology, Molecular genetics, Plant Cell and Molecular Biology or Zoology major; renewable for three additional years if a 3.2 GPA is maintained
Sponsor: Ohio State University, Biological Sciences Departments

Award # 142 - Ohio Wesleyan University State Science Day Scholarship

For: Outstanding performance at State Science Day; must show academic excellence and rigorous coursework; GPA 3.3 or higher; rank in top 20%; competitive ACT/SAT scores
Grade: 9-12
Award: up to Twenty-five Ohio Wesleyan University \$15,000 scholarships; renewable for three additional years if a 2.75 or above GPA is maintained. Students who matriculate at Ohio Wesleyan University

may receive only ONE scholarship. Awards are not stackable.

Sponsor: Ohio Wesleyan University

Award # 155 - Arthur Holly Compton Scholarship in Science at The College of Wooster

For: Outstanding Research in any field of Science; must show academic excellence (GPA equal or greater to 3.5, and competitive ACT/SAT Scores)
Grade: 11

Award: (2) \$18,500 Annual Scholarship; renewable for three additional years for students pursuing a degree at The College of Wooster
Sponsor: The College of Wooster

Sponsor: The College of Wooster

Award # 157 - Plant Pathology Scholarship at The Ohio State University

For: Best Project in the area of Plant Health or Plant Disease Management
Grade: 10-12

Award: \$500 scholarship for an outstanding project relating to plant science and plant pathology. This award is only redeemed by enrolling as a Plant Health Management major at The Ohio State University but does not guarantee admission into the university
Sponsor: The Ohio State University Department of Plant Pathology

Award # 160 - Ohio University Department of Physics & Astronomy Scholarship

For: Outstanding project in physics, astronomy or a related area such as chemistry, geology or mathematics, based on scientific principles which are demonstrated in a novel, convincing & interesting or imaginative manner
Grade: 11

Award: (1) \$1500 scholarship to Ohio University Athens campus for a student majoring in a program in the Dept. of Physics & Astronomy; renewable for 3 additional years for full time students maintaining a 3.3 GPA
Sponsor: Ohio University Department of Physics & Astronomy

Award # 169 - Food Science Award

For: Best project in food science or food technology
Grade: 10-12
Award: \$2,000 scholarship- one time award to attend the Ohio State University in Food & Science Technology. Must enroll in OSU to qualify & must declare food science as major and maintain a 3.0 GPA; Includes membership in professional society
Sponsor: Ohio State University Department of Food Science & Technology

Award # 171 - The College of Wooster Science and Mathematics Scholarship

For: Distinguished performance at the State Science Day in a science or mathematics project; awardee must have evidence of high academic achievement (GPA equal to or greater than 3.0, competitive ACT/SAT etc.)
Grade: 11

Award: (4) \$15,000 scholarships renewable for three additional years for students pursuing a degree at The College of Wooster
Sponsor: The College of Wooster

Award # 175 - Heidelberg Science Scholarship

For: Project must receive a high rating at State Science Day & Student

must desire a college major in the natural sciences or science education

Grade: 11-12

Award: (5) \$7,000

Scholarships renewable 3 subsequent yrs pending 3.0 GPA. If a student receives a local scholarship & a State Science Day scholarship, students may only use the State level scholarship - Non-Heidelberg scholarships may be used with this award.

Sponsor: Heidelberg University

Award # 185 - Ohio State University Materials Science & Engineering Scholarship

For: Awarded to best project showing how a material (metal, ceramic, composite, etc) affects an engineering design.
Grade: 11 & 12

Award: A \$1000 freshman year scholarship will be awarded to up to three participants. Only applicable to students entering the MSE pre-major program at Ohio State.

Sponsor: Ohio State University Dept of Materials Science & Engineering

Award # 193 - Bowling Green State University Science Achievement Scholarship

For: Best project by an 11th grade student in any area of science
Grade: 11

Award: \$1,000 scholarship to attend BGSU, renewable for up to three additional years contingent on maintenance of a 3.0 GPA

Sponsor: Bowling Green State University

Award # 194 - Bowling Green State University Mathematics Achievement Scholarship

For: Best project by an

11th grade student in mathematics, statistics or computer science
Grade: 11
Award: \$1,000 scholarship to attend Bowling Green State University, renewable up to three additional years contingent upon maintenance of a 3.0 GPA
Sponsor: Bowling Green State University

Award # 197 - OWEA Water Environment Science Award

For: Projects devoted to stream water quality, water reclamation or wastewater treatment. Projects need to be creative and demonstrate proper use of scientific method and incorporate accurate information and appropriate technology.
Grade: 11-12
Award: \$1,035 scholarship, plaque and award presentation at the OWEA Conference
Sponsor: Ohio Water Environment Association

Award # 205 - Mount Union College State Science Day Scholarship

For: Outstanding performance in a science research project at State Science Day & desire to major in the natural sciences or science education
Grade: 11-12
Award: \$2,000 scholarship. To receive scholarship, student must be admitted into Mount Union College and enrolled as a full-time student. Renewable up to three years if a 3.0 GPA is maintained
Sponsor: Mount Union College

Award # 208 - Infocitex Corporation Foundation College Scholarship Program

For: Ohio high school senior (must be an OH resident) participating in State Science Day. Student must graduate an Ohio high school and will attend accredited college majoring in science, math or technology
Grade: 12
Award: 3 - each recipient to receive \$5,000 scholarship from Infocitex Corporation Foundation
Sponsor: Infocitex Corporation Foundation

Award # 211 - Kenyon Science Scholarship

For: Outstanding research in any field of science; must show academic excellence (GPA equal or greater to 3.5 and competitive ACT/SAT scores)
Grade: 11
Award: One \$16,000 scholarship renewable for three additional years for students pursuing a degree at Kenyon College
Sponsor: Kenyon College

Award # 214 - Wittenberg University Excellence in Science Award for Undergraduate Research

For: Outstanding project in math or science, including computer science
Grade: 10-11
Award: Up to \$5,000 will be awarded to a student who enrolls at Wittenberg to pursue a major in a science field including psychology. This award will be applicable toward expenses incurred while conducting research, including supplies, travel, & conference fees.
Sponsor: Wittenberg University

Sponsored Awards that may span several award categories

Award # 019 - Stone Laboratory Scholarship

For: Outstanding projects in Botany, Environmental Sciences, and Zoology
Grade: 10-12
Award: Room and meals scholarship (10) to attend a one week summer introductory course at Ohio State University's Stone Laboratory, Gibraltar Island, Put-in-Bay; scholarship can be used through the summer of 2012
Sponsor: The Friends of Stone Laboratory, The Ohio State University

Award # 023 - Statistical Analysis Award

For: Outstanding projects showing (1) thorough description of how the data were collected; (2) appropriate selection and proper use of statistical analyses; & (3) correct interpretation of results
Grade: 10-12
Award: Book and certificate
Sponsor: American Statistical Association, Columbus Chapter

Award # 134 - American Chemical Society Columbus Section - Chemical Sciences Award

For: Outstanding projects in chemical sciences, including analytical, biochemistry, genetics, natural products, organic or physical chemistry
Grade: 7-12
Award: 1st, \$200 & certificate; 2nd, \$100 & certificate; 3rd, \$50 & certificate; in each grade category (7-9, 10-12)
Sponsor: American Chemical Society, Columbus Section

Award # 136 - Cleveland Museum of Natural History's Outstanding Naturalist Award

For: Outstanding projects in the natural sciences which introduce the Ohio student to the outdoor work of a naturalist.
Grade: 7-12
Award: (6) Cleveland Museum of Natural History Family Membership, certificate and plaque
Sponsor: The Cleveland Museum of Natural History

Award # 139 - Ohio Oil and Gas Energy Education Program Award

For: Outstanding work or knowledge gained about natural gas and/or crude oil in the areas of geology, engineering, chemistry, biology, or physics
Grade: 5-12
Award: 1st, \$500; 2nd, \$250; 3rd, \$100. Each will receive student memberships into Ohio Oil & Gas Assoc., trophy & certificate
Sponsor: Ohio Oil and Gas Energy Education Program Award

Award # 178 - Ohio University Department of Physics & Astronomy Young Scientist Award

For: Outstanding project in physics, astronomy, chemistry, geology or math that demonstrates the scientific method. Projects may have an applied aspect.
Grade: 5-8
Award: \$50 Cash and Certificate (4)
Sponsor: Ohio University

Behavioral Sciences, Botany, Medicine and Health, Microbiology and Zoology

Award # 018 - Ohio Soybean Bioscience Award

For: Best project in the area of agriculture biosciences, bioresources, biopolymers, bioproducts, and/or bio-fuels using soybeans

Grade: 5-12

Award: 1st place - \$1,000; 2nd place - \$500, 3rd place - \$250

Sponsor: The Ohio Soybean Council Foundation

Award # 028 - Behavioral Science Award

For: Relevance, creativity, and understanding of human behavior as demonstrated by the project. A project with animals may be considered if it is relevant to human behavior. Projects referencing psychological science will be given preference.

Grade: 7-12

Award: 1st, \$75; 2nd, \$50; in each grade 9-12 if project meets high standards set for behavioral science projects in grades 9-12; 1st, \$75; 2nd, \$50; 3rd, \$25 in each grade 7-8; certificates for all awardees

Sponsor: Ohio Psychological Association; regional psychological associations

Award # 030 - Milt Austin Aquatic Science Award

For: Best project in fisheries and aquatic sciences

Grade: 7-12

Award: Grades 9-12: 1st, \$150 cash; 2nd, \$100 cash; 3rd, \$50 cash and certificate to all. Grades 7-8: Two \$25 Cash Honorable Mention awards and a Certificate to each.

Sponsor: Ohio Chapter of The American Fisheries Society

Award # 031 - Food Science and Engineering Award

For: Outstanding projects related to food science, food process engineering, flavor, packaging, sensory evaluation (not general agriculture, biology, or genetics).

Grade: 10-12

Award: 1st, \$350; 2nd, \$250; 3rd, \$150; all receive certificates

Sponsor: Nestle Product Technology Center, Marysville

Award # 032 - Governor's Award for Excellence in Agricultural and Food Science Research

For: Excellence in agriculture research and application

Grade: 7-12

Award: 1st, 2nd, & 3rd plaque and certificate in each of six grades (7-12); Scholarship for grade 12 ONLY: 1st, \$1000, 2nd, \$500, 3rd, \$250

Sponsor: Ohio Department of Agriculture

Award # 033 - Governor's Award for Excellence in Biotechnology

For: Outstanding project in the field of Biotechnology

Grade: 7-12

Award: Tuition ONLY Scholarships as follows for students in grades 10-12 attending an Ohio College: 1st, \$1,250; 2nd, \$750; 3rd, \$500; & certificate; 1st, 2nd & 3rd certificates for grade 7-9

Sponsor: Ohio Department of Development

Award # 036 - National Association of Biology Teachers Award

For: Life science project best exemplifying innovativeness & scientific excellence; project must be consistent with both ISEF rules and NABT

policies on the use of live animals

Grade: 7-12

Award: Certificates (3) in each of two grade categories (7-9, 10-12)

Sponsor: National Association of Biology Teachers

Award # 038 - Nursing Award

For: Outstanding projects that focus on health promotion and illness prevention

Grade: 5-12

Award: 1st, \$200 & certificate; Honorable mention - \$100 & certificate

Sponsor: Ohio Nurses Association

Award # 041 - Ohio Microbiology Award

For: Demonstrated excellence in microbiology; original and creative research

Grade: 5-12

Award: 1st, \$50 and Medical Microbiology textbook; 2nd, 3rd, 4th, and 5th and 6th receive a gift certificate

Sponsor: American Society for Microbiology, Ohio Branch; Novartis Pharmaceuticals, Mosby/Elsevier Publishers & GoJo Industries

Award # 046 - Optometry Award

For: Projects demonstrating excellence in visual science, eye physiology, or lens systems

Grade: 7-12

Award: 1st, \$100; Honorable Mention, \$25

Sponsor: Ohio Optometric Association

Award # 050 - Veterinary Medicine Award

For: Outstanding project relating to veterinary medicine

Grade: 7-12

Award: 1st, \$200, medallion & certificate; honorable mentions (2), \$125 & certificate

Sponsor: Ohio Veterinary Medical Association Auxiliary

Award # 051 - Wildlife Awareness Award

For: Outstanding projects illustrating a present day wildlife related problem. Must include identification of the species affected, the extent of the problem, and discussion of practical solutions with the judge

Grade: 5-12

Award: 1st 2nd & 3rd - plaque & invitation to attend and display a poster at the Ohio Fish & Wildlife Conference

Sponsor: Wildlife Society, Ohio Chapter

Award # 145 - Osteopathic Medical Award

For: Outstanding project related to the field of medicine

Grade: 7-12

Award: 1st, \$150; 2nd, \$100; 3rd, \$75 in each grade categories (7-9, 10-12), plus certificates to all

Sponsor: Ohio Osteopathic Association

Award # 146 - Future of Public Health Award

For: Innovative Ideas in Public Health

Grade: 9-12

Award: 1st, \$500 bond & certificate; 2nd, \$350 bond & certificate; 3rd, \$150 bond & certificate

Sponsor: Ohio Public Health Association

Award # 148 - Future Physician - Scientist Award

For: Outstanding project related to the fields of medicine and health science

Grade: 7-12

Award: 1st, \$500 (6) and 2nd, \$250 (6) and certificates for all awardees (12)

Sponsor: Ohio State University, College of Medicine and Public Health and OSU Health Systems

Award # 158 - Roxane Laboratories Award for

Outstanding Biochemistry or Pharmaceutical Sciences Project

For: Most Outstanding projects in Biochemistry or Pharmaceutical Sciences in each of the 2 Grade Categories (7-9) & (10-12)
Grade: 7-12
Award: 1st, \$500 Cash; 2nd, \$300 Cash; 3rd, \$200 Cash; in each grade categories (7-9, 10-12)
Sponsor: Boehringer Ingelheim Roxane, Inc.

Award # 182 - Outstanding Project in Plant Pathology

For: Outstanding project in the field of plant pathology which demonstrates in-depth knowledge of his/her project, creativity, and excitement for the field
Grade: 11-12
Award: 1- \$100 Cash award
Sponsor: The Ohio State University Department of Plant Pathology

Award # 189 - Ohio Association for Music Therapy - Psychology of Music/ Music Therapy Award

For: Best project investigating the use of music and/or music experience in changing human performance. The science project may involve improvement in cognitive or academic (including music), motor communication, social or affective behavior.
Grade: 7-12
Award: Certificate and \$50.00 cash award and recognition by Ohio Association for Music Therapy at state conference and in organization's publication
Sponsor: Ohio Association for Music Therapy

Award # 190 - Science of Evolution

For: Best project that addresses a research question in evolutionary

biology or tests an hypothesis within the broad framework of evolutionary theory

Grade: 10-12
Award: 2 awards of \$200.00, a certificate and plaque for each awardee as well as a one year subscription to American Scientist
Sponsor: Ohio State University Chapter of Sigma Xi

Mathematics, Computer Science, Engineering and Physics

Award # 055 - COCACM Computer Science Award

For: Outstanding projects demonstrating software applications in computer science excluding games
Grade: 7-12
Award: 1st (10-12) \$100 & 2nd (10-12) \$50.00; 1st (7-9) \$50 & 2nd (7-9) \$25.00, honorable mentions
Sponsor: Association for Computing Machinery, Central Ohio Chapter

Award # 058 - Edison Center Materials Science and Engineering Award

For: Outstanding projects in the field of materials science and engineering
Grade: 7-12
Award: 1st, \$200 & certificate; 2nd, \$100 & certificate; 3rd, \$50 & certificate in each of two grade categories (7-9, 10-12). Automatically winners of Governor's Award for Excellence in Materials Science
Sponsor: Edison Technology Centers: EMTEC, EWI

Award # 059 - Engineering Achievement Award

For: Outstanding projects with engineering merit using scientific principles with a practical application
Grade: 10-12
Award: 1st, \$100; 2nd, \$50; 3rd, \$50; 4th and 5th,

certificates
Sponsor: Engineers Foundation of Ohio

Award # 061 - Excellence Award for Civil Engineering Projects

For: Outstanding project showing application of scientific principles in practical application to civil works engineering
Grade: 5-12
Award: 1st, \$100 & plaque; 2nd, \$75 & plaque; 3rd, \$50 & plaque in each of the two grade categories (5-9, 10-12)
Sponsor: American Society of Civil Engineers, Central Ohio Section & Ohio Council

Award # 067 - Outstanding Physics Project Award

For: Excellence, professionalism and creativity in a physics project, experimental and/or theoretical work with results are to be emphasized
Grade: 7-12
Award: 1st, \$150; 2nd, \$100; 3rd, \$50 in each of two grade categories (7-9, 10-12)
Sponsor: American Association of Physics Teachers, Southern Ohio Section; American Physical Society, Ohio Section

Award # 105 - Governor's Award for Excellence in Manufacturing Science

For: Outstanding project in the field of Manufacturing Science
Grade: 7-12
Award: Tuition ONLY Scholarships as follows for students in grades 10-12 attending an Ohio College: 1st, \$1,250; 2nd, \$750; 3rd, \$500 & Certificate to each. Grades 7-9: 1st, 2nd & 3rd receive a certificate
Sponsor: Ohio Department of Development

Award # 147 - Governor's Award for Excellence in

Information Science & Technology Research

For: Outstanding project in the field of Information Science & Technology Research
Grade: 7-12
Award: 1st, \$1,250; 2nd, \$750; 3rd, \$500; tuition only scholarship to an Ohio college for grade 10-12 & certificate; 1st, 2nd & 3rd certificates for grade 7-9
Sponsor: Ohio Department of Development

Award # 159 - Ohio University Department of Physics & Astronomy Award of Excellence

For: Excellence in a physics, astronomy, chemistry, geology or math project that produces quantitative results and demonstrates the scientific method. Projects may have an applied aspect to them.
Grade: 9-12
Award: \$100 Cash and Certificate (3)
Sponsor: Ohio University Department of Physics & Astronomy

Award # 192 - Case Engineering and Applied Science Award

For: 1300 SAT Or 31 ACT
Grade: 10-11
Award: \$5,000 for each of the four years
Sponsor: Case Western Reserve University

Award # 195 - Nanotechnology Science Award

For: Innovative approach to develop new materials or devices at the nanoscale, to advance new or existing applications. Demonstrated understanding and clear explanation of topic and relevance to society. Well-Organized Poster.
Grade: 9-12
Award: 1st Place: \$100 cash & certificate; 2nd place: \$50 cash & certificate; 3rd place: \$25 cash & certificate

Sponsor: NSF-OSU Center for Nanotechnology of Polymeric Biomedical Devices

Award # 200 - University of Dayton Science or Engineering as Service Award

For: Outstanding projects in Science (1) and Engineering (1) that address important societal needs.

Grade: 10-12

Award: (2) \$2000 scholarship to University of Dayton; renewable for three additional years with a GPA of 3.0 as full-time student in science, mathematics, or engineering.

Sponsor: University of Dayton

Award # 210 - SPIE Optics & Photonics Science Fair Award

For: Best project in optics or photonics where students apply optics or photonics related technology, technologies or principles

Grade: 5-12

Award: 1st place - \$500, 2nd place - \$300, 3rd place - \$200. Each recipient will also receive a certificate and Kaleidoscope kit.

Sponsor: SPIE

Award # 212 - Yost Engineering Award for Originality in Computer Engineering and Science

For: Best project in computer engineering/science demonstrating creative problem-solving. Open to software, hardware, gaming & theoretical projects. Judged on concept, implementation, and student presentation.

Grade: 5-12

Award: CASH: 1st Place \$250; 2nd Place \$125; 3rd Place \$75

Sponsor: Yost Engineering Inc

Chemistry, Earth & Space Sciences and Environmental Sciences

Award # 213 - Cleveland State University Science and Mathematics Achievement Scholarship

For: Outstanding project in science or math.

Grade: 11-12

Award: \$1,000 scholarship-renewable for up to three additional years if a 3.0 minimum GPA is maintained. Must be enrolled in the College of Science at Cleveland State University.

Sponsor: Cleveland State University College of Sciences

Award # 070 - American Meteorological Society Award

For: Outstanding projects in atmospheric and related oceanic and hydrologic sciences

Grade: 7-12

Award: 1st, \$100 & certificate; 2nd, \$50 & certificate; 3rd, certificate; honorable mentions, certificate

Sponsor: American Meteorological Society; Eric Wertz; Northeast Ohio AMS

Award # 072 - American Water Works Association Award

For: Outstanding projects focusing on drinking water, analytical techniques associated with drinking water, and analyzing drinking water or other subjects of interest concerning drinking water

Grade: 5-12

Award: Grades 7-9: 1st - \$200; 2nd - \$100; Honorable Mentions (2) - \$50.

Grades 10-12: 1st - \$300; 2nd - \$150; Honorable Mentions (2) - \$75.

Certificates for every awardee.

Sponsor: American Water Works Association, Ohio Section

Award # 079 - Geological Award

For: Outstanding project in some aspect of geology or closely related earth science

Grade: 5-12

Award: 1st (Ralph J. Bernhagen Award), \$250 cash; 2nd, \$200 cash; 3rd, \$150 cash; 4th, \$100 cash; honorable mention; certificates to all. Ohio Geological Society one year student membership to 1st-4th place awardees (only if email addresses are provided).

Sponsor: Ohio Geological Society

Award # 080 - Governor's Award for Excellence in Environmental Protection Research

For: Excellence in the scientific study of environmental protection or management issues relevant to Ohio

Grade: 7-12

Award: \$100 & certificate, up to four awards per grade

Sponsor: Ohio Environmental Education Fund

Award # 085 - James Y. Tong Award in Forensic Chemistry

For: Outstanding projects in forensic chemistry

Grade: 5-12

Award: 1st, \$100; 2nd, \$65; 3rd, \$35; honorable mentions and certificates to all recipients of award

Sponsor: Dr. James Y. Tong

Award # 086 - OWEA Water Environment Science Award

For: Projects devoted to stream water quality, water reclamation or wastewater treatment. Projects need to be creative and demonstrate proper use of scientific method and incorporate accurate information and

appropriate technology.

Grade: 7-12

Award: 1st, \$500 savings bond & certificate; 2nd, \$300 savings bond & certificate; 3rd, \$200 savings bond & certificate

Sponsor: Ohio Water Environment Association

Award # 087 - Ohio Environmental Health Association Award

For: Excellence in environmental health research

Grade: 7-12

Award: 1st, \$150 cash & certificate; 2nd, \$100 cash & certificate; 3rd, \$50 cash & certificate in each of two grade categories (7-9, 10-12)

Sponsor: Ohio Environmental Health Association

Award # 090 - Soil and Water Conservation Award

For: Outstanding projects demonstrating knowledge and understanding of soil and water conservation and their interrelationships

Grade: 7-12

Award: Grades 7-9: 1st, \$150 check; 2nd, \$100 check. Grades 10-12: 1st, \$200 check; 2nd, \$100 check.

Sponsor: Ohio Federation of Soil and Water Conservation Districts

Award # 091 - Peter G. Finke Water Management Award

For: Outstanding projects demonstrating knowledge or investigations of water management principles and practices

Grade: 7-12

Award: \$250 cash & plaque in each of two grade categories (7-9, 10-12)

Sponsor: Water Management Association of Ohio

Award # 108 - Society of Petroleum Engineers Award

For: Outstanding projects in Engineering or

Earth Sciences related to the exploration, development, production or processing of petroleum and natural gas

Grade: 5-12

Award: 4 awards given - \$300 and plaque per awardee
Sponsor: Society of Petroleum Engineers, Ohio Section

Award # 165 - Mars Society Award for Space Science, Technology or Exploration

For: Best Project Promoting Space Science, Technology or Exploration

Grade: 7-12

Award: 1st place - \$200 cash; 2nd place - \$100 cash award

Sponsor: Ohio Chapter - The Mars Society

Award # 183 - UD ETHOS Appropriate Technology Award

For: Best project to address local or global community needs, empower communities, including research into societal, cultural, economic, and environmental impact of science and technology

Grade: 7-12

Award: One \$50.00 savings bond in each of the two grade categories (7-9) & (10-12)

Sponsor: UD ETHOS (Engineers in Technical Humanitarian Opportunities of Service Learning)

Award # 206 - Outstanding Earth Science Award

For: Outstanding project in the Earth Sciences

Grade: 10-12

Award: \$50 & certificate to the awardee

Sponsor: Bowling Green State University Department of Geology

TEAM AWARDS ONLY!!

Teams may ONLY register for awards from this section. Individual projects may not choose from this section

Award # 011 - University of Akron Scholarship

For: Outstanding performance in a science or engineering project

Grade: 12

Award: \$1,500 tuition scholarship, renewable for three additional years

Sponsor: University of Akron

Award # 050 - Veterinary Medicine Award

For: Outstanding project relating to veterinary medicine

Grade: 7-12

Award: 1st, \$200, medallion & certificate; honorable mentions (2), \$125 & certificate

Sponsor: Ohio Veterinary Medical Association Auxiliary

Award # 133 - Interdisciplinary Research Award

For: Best team project

Grade: 7-12

Award: up to four- 1st (10-12) plaque, one year subscription to American Scientist, attendance at annual banquet in May, \$100 cash; up to 4 - 1st (7-9) plaque, \$100 cash & invitation to annual banquet

Sponsor: Sigma Xi, Ohio State Chapter

Award # 142 - Ohio Wesleyan University State Science Day Scholarship

For: Outstanding performance at State Science Day; must show academic excellence and rigorous coursework; GPA 3.3 or higher; rank in top 20%; competitive ACT/SAT scores

Grade: 9-12

Award: up to twenty-five Ohio

Wesleyan University \$15,000 scholarships; renewable for three additional years if a 2.75 or above GPA is maintained. Students who matriculate at Ohio Wesleyan University may receive only ONE scholarship. Awards are not stackable.

Sponsor: Ohio Wesleyan University

Award # 145 - Osteopathic Medical Award

For: Outstanding project related to the field of medicine

Grade: 7-12

Award: 1st, \$150; 2nd, \$100; 3rd, \$75 in each grade categories (7-9, 10-12), plus certificates to all

Sponsor: Ohio Osteopathic Association

Award # 159 - Ohio University Department of Physics & Astronomy Award of Excellence

For: Excellence in a physics, astronomy, chemistry, geology or math project that produces quantitative results and demonstrates the scientific method. Projects may have an applied aspect to them.

Grade: 9-12

Award: \$100 Cash and Certificate (3)

Sponsor: Ohio University Department of Physics & Astronomy

Award # 178 - Ohio University Department of Physics & Astronomy Young Scientist Award

For: Outstanding project in physics, astronomy, chemistry, geology or math that demonstrates the scientific method. Projects may have an applied aspect.

Grade: 5-8

Award: \$50 Cash and Certificate (4)

Sponsor: Ohio University

Award # 185 - Ohio State

University Materials Science & Engineering Scholarship

For: Awarded to best project showing how a material (metal, ceramic, composite, etc) affects an engineering design.

Grade: 11 & 12

Award: A \$1000 freshman year scholarship will be awarded to up to three participants. Only applicable to students entering the MSE pre-major program at Ohio State.

Sponsor: Ohio State University Dept of Materials Science & Engineering

Award # 200 - University of Dayton Science or Engineering as Service Award

For: Outstanding projects in Science (1) and Engineering (1) that address important societal needs.

Grade: 10-12

Award: (2) \$2000 scholarship to University of Dayton; renewable for three additional years with a GPA of 3.0 as full-time student in science, mathematics, or engineering.

Sponsor: University of Dayton

Award # 214 - Wittenberg University Excellence in Science Award for Undergraduate Research

For: Outstanding project in math or science, including computer science

Grade: 10-11

Award: Up to \$5,000 will be awarded to a student who enrolls at Wittenberg to pursue a major in a science field including psychology. This award will be applicable toward expenses incurred while conducting research, including supplies, travel, & conference fees.

Sponsor: Wittenberg University

The following Awards are NOT available for pre-registration.

Please do not attempt to sign up for these awards.

Award # 034 - Human Nutrition Award

For: Outstanding projects, based on originality and creativity, that demonstrate understanding of human nutrition and its relationship to good health

Grade: 7-12

Award: 1st, \$100 & certificate; 2nd, \$75 & certificate; 3rd, \$25 and certificate for each recipient in each of three grade categories (7-8, 9-10, 11-12)

Sponsor: Ohio Nutrition Council; Ohio Dietetic Association

Award # 053 - American Society of Highway Engineers Award

For: Outstanding projects relating to highways or bridges (design, materials, construction, traffic control, maintenance or operations)

Grade: 5-12

Award: Two \$250 awards
Sponsor: American Society of Highway Engineers, Central Ohio Section

Award # 075 - Chemistry Award, Iota Sigma Pi

For: Outstanding projects by females in chemistry, biochemistry, environmental sciences or mathematics

Grade: 7-12

Award: Certificate & Book- up to five given out

Sponsor: Promethium Chapter of Iota Sigma Pi, National Honor Society for Women in Chemistry

Award # 106 - Governor's Award for Excellence in Materials Science

For: 1st, 2nd, and 3rd place awardees of the (#058) Edison Center Materials Science and Engineering Award

Grade: 7-12

Award: Tuition ONLY Scholarships as follows for students in grades 10-12 attending an Ohio College: 1st, \$1,250; 2nd, \$750; 3rd, \$500; certificates for all awardees of Edison Center Materials Science and Engineering Awards

Sponsor: Ohio Department of Development

Award # 173 - Intel Excellence in Computer Science Award

For: 1st place recipient of award 055 in grades 10-12

Grade: 10-12

Award: \$200.00 & Certificate
Sponsor: Intel Corporation

Award # 187 - Scientific American Education Award

For: Selected distribution amongst Five and Six Year Awardees

Grade: 11-12

Award: Six one-year subscriptions to Scientific American Magazine

Sponsor: Scientific American

Award # 188 - Buckeye Science Scholar Award

For: MUST be attending both the ISEF and State Science Day. Must be pre-selected by your district in advance of State Science Day.

Grade: 9-12

Award: \$1,000 cash award first place; \$500 second place cash award to students attending State Science Day & the International Science and Engineering Fair

Sponsor: The Ohio Academy of Science & Mr. Charles A. Cummings

Award # 209 - Gormley Publishing Award

For: Outstanding projects demonstrating interest, effort and time spent on a scientific investigation

Grade: 9

Award: Two book awards in each of the following categories at the ninth-grade level: Biochemistry, Chemistry, Earth Science, Space Science, Life Science & Physics
Sponsor: Gormley Publishing

Award # 215 - Trans World Services Young Scientist Award

For: Outstanding project in the 5th or 6th grade

Grade: 5-6

Award: \$100 Cash & Plaque - Awardee to be determined after State Science Day via lottery

Sponsor: Trans World Services



About the Academy

The Ohio Academy of Science is a membership-based, volunteer-driven, not-for-profit organization. The Academy is the leading organization in Ohio to foster curiosity, discovery, and innovation and to unite all who value education, science, engineering, technology, or their applications to benefit society. The Academy conducts an annual meeting and science days, and publishes an international, multidisciplinary, scientific journal.

Join the Academy Today!
www.ohiosci.org

The Ohio Academy of Science

1500 W Third Ave Ste 228
Columbus OH 43212-2817

Phone 614.488.2228

Fax 614.488.7629

Email oas@iwaynet.net

Website www.ohiosci.org

**Fostering Curiosity,
Discovery
& Innovation
to Benefit Society.**