

# STATE SCIENCE DAY 2011

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Hosted on May 7, 2011, by The Ohio State University

**Scholarships and Sponsored Awards: \$3,797,835**

**S**TATE SCIENCE DAY IS SPONSORED by The Ohio Academy of Science, American Electric Power, The Ohio Environmental Education Fund, Boehringer Ingelheim Roxane Inc. and Battelle. Hosted by The Ohio State University, Columbus, at French Field House and St. John Arena, on Saturday, May 7, 2011. The Ohio Academy of Science expresses its appreciation to the nearly 100 sponsors of scholarships and awards at State Science Day. Valued at \$3,797,835, this list includes college scholarships, trips, cash, publications and bond prizes for students.

## The Ohio Academy of Science

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

## Roster of Scholarships and Sponsored Awards

### PLEASE NOTE:

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.

**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.**

All college scholarships are contingent upon admission and full-time enrollment in the college sponsoring the scholarship.

### 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.

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Award  
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### College Scholarships

#### 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

#### 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

#### 010) Shawnee State University Scholarship

For: Outstanding performance at State Science Day

Grade: 11-12

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

#### 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

**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

**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

**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

**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

**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

**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

**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

**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: 10-12  
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

**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  
Award: A \$1000 freshman year scholarship will be awarded to up to three participants. Only available if student(s) choose the MSE pre-major program at Ohio State.  
SPONSOR: Ohio State University Dept of Materials Science & Engineering

**192) Case Engineering and Applied Science Award**

For: Successful admission into Case Western Reserve University  
Grade: 10-11  
Award: \$20,000 for each of the four years  
SPONSOR: Case Western Reserve University

**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

**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 addtl year contingent upon maintenance of a 3.0 GPA  
SPONSOR: Bowling Green State University

**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

### **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

### **205) University of Mount Union 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 University of Mount Union and enrolled as a full-time student. Renewable up to three years if a 3.0 GPA is maintained

SPONSOR: University of Mount Union

### **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: 4 - each recipient to receive \$5,000 scholarship from Infocitex Corporation Foundation

SPONSOR: Infocitex Corporation Foundation

### **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

### **216) Otterbein University State Science Day Scholarship**

For: Outstanding performance at State Science Day

Grade: 12

Award: Five \$1000 scholarships for students pursuing a degree at Otterbein University.

SPONSOR: Otterbein University

### **218) The Ohio State University College of Engineering Scholarship**

For: Best project in Engineering

Grade: 10-12

Award: One \$1,000 scholarship, renewable for up to 3 yrs. Must remain engineering major (advisor approved schedule) & 3.20 cum. GPA for duration of scholarship.

SPONSOR: Ohio State University College of Engineering

### **219) The Center for Emergent Materials at OSU Team Award**

For: Outstanding project in interdisciplinary science related to physics, engineering, materials science and electronics.

Grade: 10-12

Award: A \$250 scholarship to the Ohio State University & plaque for each team member

SPONSOR: The Center for Emergent Materials at The Ohio State University

### **222) the Wilds**

For: Outstanding project in the advancement of wildlife knowledge and/or habitat conservation.

Grade: 9-12

Award: A \$799 scholarship to attend "Dirty Wild Jobs: A Conservation Career Training Camp for Teens" at the Wilds. Learn what it takes to be a wildlife veterinarian, animal management specialist or wildlife habitat manager.

SPONSOR: the Wilds

## **Sponsored Awards that may span several award categories**

### **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

### **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

### **033) Governor's Thomas Edison Award for Excellence in Biotechnology & Biomedical Technologies**

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

### **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

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

For: Outstanding investigations of the environment 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

**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

**147) Governor's Thomas Edison Award for Excellence in Information Science & Technology Research**

For: Outstanding project in the field of Information Science & Technology Research  
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

**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

**217) Governor's Thomas Edison Award for Advanced or alternative energy scholarship**

For: For excellence in alternative energy  
Grade: 10-12  
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

**221) SOLAE Foundation Award for Turning Science Fiction into Science Fact**

For: Outstanding project in a new or developing area of science/technology using innovative approaches/techniques to extend existing knowledge beyond it's current limits. Source material is in whole or part from Science Fiction.  
Grade: 5-12  
Award: \$500 Savings bond plus 4 memberships to MARCON 46 May 27-29, 2011 & an invitation to display their project in the Dealer Room at MARCON 46.  
SPONSOR: SOLAE Foundation

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

**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

**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: 5-12  
Award: 1st, \$75; 2nd, \$50; in each grade 9-12 if project meets high standards; 1st, \$75; 2nd, \$50; 3rd, \$25 in each grade 7-8; certificates for all awardees. Grades 5 & 6 considered if project meets high standards 1st \$50 & 2nd \$25.  
SPONSOR: Ohio Psychological Association; regional psychological associations

**030) Milt Austin Aquatic Science Award**

For: Best project in fisheries and aquatic sciences  
Grade: 5-12  
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

**031) Food Science and Engineering Award**

For: Outstanding projects related to food science, food process engineering, flavor, packaging, sensory evaluation (not general agriculture, biology, microbiology or genetics).  
Grade: 10-12  
Award: 1st, \$350; 2nd, \$250; 3rd, \$150; all receive certificates  
SPONSOR: Nestle Product Technology Center, Marysville

**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

**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

**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

**041) Ohio Microbiology Award**

For: Demonstrated excellence in microbiology; original and creative research  
Grade: 5-12  
Award: 1st, \$125-\$250 and Medical Microbiology textbook; 2nd, 3rd, 4th, and 5th and 6th receive a gift certificate. If 1st is awarded to a team, money will be divided amongst the team members.  
SPONSOR: American Society for Microbiology, Ohio Branch; Northeastern Ohio Universities Colleges of Medicine

& Pharmacy; Mosby/  
Elsevier Publishers &  
GoJo Industries

**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

**050) Veterinary Medicine Award**

For: Outstanding project relating to veterinary medicine

Grade: 7-12

Award: 1st, \$300, medallion & certificate; honorable mentions (2), \$200 & certificate. Certificates given to all award registrants.

SPONSOR: Ohio Veterinary Medical Association Auxiliary

**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 place, \$200 cash, plaque & wildlife techniques manual. 2nd place \$100 cash, certificate. Both will receive invitation to attend and display a poster at the Ohio Fish & Wildlife Management Association Conference.

SPONSOR: Ohio Chapter of the Wildlife Society

**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

**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

**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

**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.

**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

**189) Association of Ohio Music Therapists - 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 \$75.00 cash award and recognition by Association of Ohio Music Therapists at state conference and in organization's publication

SPONSOR: Association of Ohio Music Therapists

**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

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**Mathematics, Computer Science, Engineering & Physics**

**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

**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

**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

**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

**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

**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

**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 & book "Optics Made Clear".

SPONSOR: SPIE

**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 \$300; 2nd Place \$150; 3rd Place \$100

SPONSOR: Yost Engineering Inc

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**Chemistry, Earth & Space Sciences and Environmental Sciences**

**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; NE Ohio AMS

**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 5-6: 1st - \$50 (2) Honorable Mention @\$25 each. Grades 7-9: 1st - \$100; 2nd \$75; Honorable Mention. Grades 10-12: 1st \$150; 2nd \$75; Honorable Mention \$50.

SPONSOR: American Water Works Association, Ohio Section

**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; (4) honorable mention \$25; certificates to all. Ohio Geological Society one yr student membership to 1st-4th place awardees (only if email addresses are provided).

SPONSOR: Ohio Geological Society

**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

**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

**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 award check & certificate; 2nd, \$300 award check & certificate; 3rd, \$200 award check & certificate

SPONSOR: Ohio Water Environment Association

**087) Ohio Environmental Health Association Award**

For: Excellence in environmental health research

Grade: 5-12

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

**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

**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) & complimentary registration to annual conference.

SPONSOR: Water Management Association of Ohio

**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

**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 award; 2nd place - \$100 cash award

SPONSOR: Ohio Chapter - The Mars Society

**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: 5-12

Award: 2 - \$50.00 savings bond, certificate & t-shirt

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

**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!!!**

**These are the only awards teams may choose. Individual projects may not choose from this area.**

**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

**041) Ohio Microbiology Award**

For: Demonstrated excellence in microbiology; original and creative research

Grade: 5-12

Award: 1st, \$125-\$250 and Medical Microbiology textbook; 2nd, 3rd, 4th, and 5th and 6th receive

a gift certificate. If 1st is awarded to a team, money will be divided amongst the team members.

SPONSOR: American Society for Microbiology, Ohio Branch; Northeastern Ohio Universities Colleges of Medicine & Pharmacy; Mosby/Elsevier Publishers & GoJo Industries

**050) Veterinary Medicine Award**

For: Outstanding project relating to veterinary medicine

Grade: 7-12

Award: 1st, \$300, medallion & certificate; honorable mentions (2), \$200 & certificate. Certificates given to all award registrants.

SPONSOR: Ohio Veterinary Medical Association Auxiliary

**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

**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

**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

**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

**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

Award: A \$1000 freshman year scholarship will be awarded to up to three participants. Only available if student(s) choose the MSE pre-major program at Ohio State.

SPONSOR: Ohio State University Dept of Materials Science & Engineering

**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

**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

**216) Otterbein University State Science Day Scholarship**

For: Outstanding performance at State Science Day

Grade: 12

Award: Five \$1000 scholarships for students pursuing a degree at Otterbein University.  
SPONSOR: Otterbein University

**219) The Center for Emergent Materials at OSU Team Award**

For: Outstanding project in interdisciplinary science related to physics, engineering, materials science and electronics.

Grade: 10-12

Award: A \$250 scholarship to the Ohio State University & plaque for each team member

SPONSOR: The Center for Emergent Materials at The Ohio State University

**The following awards are NOT available for pre-registration.**

**Please do not attempt to sign up for these awards.**

**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

**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

**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

**106) Governor's Thomas Edison Award for Advanced Materials**

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

**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

**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*

**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

**220) Ohio State Coroners Association Forensic Science Award**

For: Outstanding projects in forensic science

Grade: 5-12

Award: 1st, \$250; 2nd, \$150; 3rd, \$100

SPONSOR: Ohio State Coroners Association

**NOTES**



**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!

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& Innovation  
to Benefit Society.**