

AMGEN® Foundation



THE OHIO STATE UNIVERSITY

STATE SCIENCE DAY 2024

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SCHOLARSHIPS AND SPONSORED AWARDS

STATE SCIENCE DAY IS SPONSORED by The Ohio Academy of Science, AMGEN Foundation, Ohio's 529 CollegeAdvantage, The Ohio State University, American Electric Power Foundation, Battelle, Broadcom Foundation, CAS - A Division of the American Chemical Society, Charles River, Kent State University, Kokosing, and The Ohio Environmental Education Fund. The Ohio Academy of Science expresses its appreciation to the nearly 50 sponsors of scholarships and awards at State Science Day.

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 disqualifications 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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5	CHEMISTRY, EARTH & SPACES SCIENCES AND ENVIRONMENTAL SCIENCES



College Scholarships

011 University of Akron Scholarship

For: Outstanding performance in a science or engineering project

Grade: 11

Award: \$1,500 tuition scholarship, renewable for three additional years. NO teams may sign up for this award.

Sponsor: University of Akron

Who's Eligible? Individuals= Y Teams=N

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

Who's Eligible? Individuals= Y Teams=N

019 Stone Laboratory Scholarship

For: Outstanding projects in Botany, Chemistry, Energy and Environmental Sciences, Microbiology and Zoology

Grade: 10-12

Award: Room and meals scholarship (up to 15) 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 2027

Sponsor: The Friends of Stone Laboratory, The Ohio State University

Who's Eligible? Individuals= Y Teams=N

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 attending an Ohio College only: Grades 10-12: 1st, \$1,750; 2nd, \$1,000; 3rd, \$750. Grades 7-9: same criteria – 1st, \$1,000; 2nd, \$500; 3rd, \$250.

Sponsor: Ohio Development Services Agency

Who's Eligible? Individuals= Y Teams=N

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 attending an Ohio College only: Grades 10-12: 1st, \$1,750; 2nd, \$1,000; 3rd, \$750. Grades 7-9: same criteria – 1st, \$1,000; 2nd, \$500; 3rd, \$250.

Sponsor: Ohio Development Services Agency

Who's Eligible? Individuals= Y Teams=N

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 outstanding project relating to plant science & plant pathology. This award is only redeemed by enrolling as a Plant Health Mgmt Plant Pathology major at OSU but does not guarantee admission into the university

Sponsor: The Ohio State University Department of Plant Pathology

Who's Eligible? Individuals= Y Teams=N

169 Science of Food

For: 1st place for project in bio chemistry, biomedical or health sciences, chemistry, microbiology or food science as it relates to food. <https://fst.osu.edu> (for more dept information)

Grade: 10-12

Award: \$3,000 scholarship (one time award) to attend the Ohio State University Columbus campus, full time, in the Department of Food Science and Technology

Sponsor: The Ohio State University Department of Food Science & Technology

Who's Eligible? Individuals= Y Teams=N

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: \$1,000 scholarship, plaque and award presentation at the OWEA Conference

Sponsor: Ohio Water Environment Association

Who's Eligible? Individuals= Y Teams=N

217 Governor's Thomas Edison Award for Advanced or Alternative Energy Scholarship

For: For excellence in alternative energy

Grade: 7-12

Award: Tuition only scholarships attending an Ohio College only: Grades 10-12: 1st, \$1,750; 2nd, \$1,000; 3rd, \$750. Grades 7-9: same criteria – 1st, \$1,000; 2nd, \$500; 3rd, \$250.

Sponsor: Ohio Development Services Agency

Who's Eligible? Individuals= Y Teams=N

218 The Ohio State University College of Engineering Scholarship

For: Best project in Engineering

Grade: 10-11

Award: Two \$2500 scholarships, renewable for up to 3 yrs. Must remain engineering major (advisor approved schedule) & 3.0 cum. GPA for duration of scholarship

Sponsor: The Ohio State University College of Engineering

Who's Eligible? Individuals= Y Teams=N

244 Ohio Northern University State Science Day Scholarship

For: Outstanding performance on a state science day project. Must enroll at ONU in a STEM area

Grade: 10-11

Award: \$2,000 renewable scholarship, up to three additional years

Sponsor: Ohio Northern University

Who's Eligible? Individuals= Y Teams=N

Sponsored Awards that may span several project categories

Please read carefully

018 Ohio Soybean Bioscience Award

For: For best projects that relate soybeans to food science, water quality, soil health, plant health, food production, environmental quality or industrial applications. Go to grownnextgen.org/sciencefair for more ideas and information on how to qualify.

Grade: 5-12

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

Sponsor: The Ohio Soybean Council Foundation

Who's Eligible? Individuals= Y Teams=N

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

Who's Eligible? Individuals= Y Teams=N

139 Ohio Natural Energy Foundation 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.

Sponsor: Ohio Natural Energy Institute

Who's Eligible? Individuals= Y Teams=Y

230 Ohio Soybean Bioscience Team Award

For: For best team projects that relate soybeans to food science, water quality, soil health, plant health, food production, environmental quality or industrial applications. Go to grownnextgen.org/sciencefair for more ideas and information on how to qualify

Grade: 5-12

Award: One team award. Maximum total value of award \$1,000. Depending on team size,

sponsor will determine each team member's award.

Sponsor: The Ohio Soybean Council Foundation

Who's Eligible? Individuals= N Teams=Y

258 Osmon Ramsey Environmental & Natural Science Award

For: Outstanding research in the areas of earth & environmental science and animal sciences.

Grade: 5-12

Award: One \$250 Award for each of the grade categories (5-6), (7-8), (9-10) & (11-12)

Sponsor: The Ohio Academy of Science

Who's Eligible? Individuals= Y Teams=Y



Animal Science, Behavioral Sciences, Biochemistry, Botany, Medicine & Health, Microbiology & Zoology

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: Grades 5-6: 1st \$75, 2nd \$50. Grades 7-8: 1st \$100, 2nd \$75. Grades 9-11: 1st \$150, 2nd \$100. Grade 12: 1st \$250 and 2nd \$150.

Sponsor: Ohio Psychological Association; regional psychological associations

Who's Eligible? Individuals= Y Teams=Y

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. Grades 7-8: Two \$25 Cash Awards.

Sponsor: Ohio Chapter of The American Fisheries Society

Who's Eligible? Individuals= Y Teams=N

031 Food Science and Engineering Award

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

Grade: 10-12

Award: 1st, \$500 gift card; 2nd, \$400 gift card; 3rd, \$300 gift card; all receive invitation to Nestle for tour, lunch and presentation of their research to employees

Sponsor: Nestle Product Technology Center, Marysville

Who's Eligible? Individuals= Y Teams=N

050 Veterinary Medicine Award

For: Outstanding project relating to veterinary medicine

Grade: 7-12

Award: 1st, \$250 & certificate; honorable mentions (2), \$150 & certificate. Certificates given to all award registrants.

Sponsor: Ohio Veterinary Medical Association

Who's Eligible? Individuals= Y Teams=N

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)

Sponsor: Ohio Osteopathic Association

Who's Eligible? Individuals= Y Teams=N

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

Who's Eligible? Individuals= Y Teams=N

182 Outstanding Project in Plant Pathology

For: Outstanding project in the field of plant health or plant disease

Grade: 9-12

Award: 1st - \$50 gift card and certificate. 2nd place - certificate

Sponsor: The Ohio State University
Department of Plant Pathology

Who's Eligible? Individuals= Y Teams=N

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: 5-12

Award: 1st place - \$100 & 2nd place - \$50 and recognition by Association of Ohio Music Therapists at state conference and in organization's publication

Sponsor: Association of Ohio Music Therapists

Who's Eligible? Individuals= Y Teams=N

234 David J. Horn Stone Lab Entomology Scholarship

For: Best project by a student in high school interested in entomology

Grade: 9-12

Award: Scholarship to cover in-state tuition, room & board, and lab fee for ENTMLGY 1260 "Introductory Insect Field Biology" summer field course offered at Ohio State's Stone Lab

Sponsor: Ohio State University Department of Entomology

Who's Eligible? Individuals= Y Teams=N

238 Nationwide Children's Hospital Research Institute Trainee Association (RITA)

For: Outstanding research and project in biomedical sciences

Grade: 9-12

Award: 1st - \$250; 2nd - \$100 and 3rd - \$50

Sponsor: Nationwide Children's Hospital Research Institute Trainee Association (RITA)

Who's Eligible? Individuals= Y Teams=N

256 Animal Science/Veterinary Medicine Award

For: Research in animal health, nutrition, husbandry or related topics

Grade: 5-12

Award: \$100 cash each grade category (5th-8th) and (9th-12th)

Sponsor: Martin E. English, DVM

Who's Eligible? Individuals= Y Teams=N

262 Association of Ohio Pedologists Soil Science Award

For: Individual or group projects in a field related to soil science, i.e. soil health, soil microbes, soil drainage. Projects must include actual soils. No hydroponics projects, no non-soils potting mixtures.

Grade: 5-12

Award: Grades 5-8 1st place \$100, 2nd place \$50. Grades 9-12 1st \$100, 2nd place \$50

Sponsor: Association of Ohio Pedologists

Who's Eligible? Individuals= Y Teams=Y

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, \$200 & plaque; 2nd, \$150 & plaque; 3rd, \$100 & plaque in each of the two grade categories (5-9, 10-12)

Sponsor: American Society of Civil Engineers, Central Ohio Section & Ohio Council

Who's Eligible? Individuals= Y Teams=N

067 Gordon J. Aubrecht Award for Outstanding Physics Projects

For: Excellence, professionalism and creativity in a physics project, experimental and/or theoretical work with results are to be emphasized

Grade: 5-12

Award: 1st, \$150; 2nd, \$100; 3rd, \$50 in each of two grade categories (7-9, 10-12). For grades 5 & 6 - 1st \$150, 2nd \$100 & 3rd \$50

Sponsor: The American Physics Society - Eastern Great Lakes Section & Southern Ohio Section of the American Assoc of Physics Teachers

Who's Eligible? Individuals= Y Teams=N

247 Society of Experimental Test Pilot Excellence in Flight Sciences

For: Science/Engineering project that best advances flight sciences, aeronautical/astronautical engineering, or flight test.

Grade: 9-12

Award: \$250 cash award for 1st, \$150 for 2nd, SETP Award Plaque and invitation to the SETP Great Lakes Section Symposium in Beavercreek, Ohio (May)

Sponsor: The Society of Experimental Test Pilots (SETP)

Who's Eligible? Individuals= Y Teams=Y

058 EWI Award

For: Outstanding projects in the field of materials science and engineering

Grade: 7-12

Award: 1st, \$100 & certificate; 2nd, \$50 & certificate; 3rd, \$25 & certificate in each of two grade categories (7-9, 10-12). Automatically winners of Governor's Award for Excellence in Materials Science

Sponsor: EWI

Who's Eligible? Individuals= Y Teams=N

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

Sponsor: Engineers Foundation of Ohio

Who's Eligible? Individuals= Y Teams=N



Mathematics, Computer Science, Engineering and Physics

Chemistry, Earth & Space Sciences, Energy and Environmental Sciences

070 Dick Goddard Honorary Young Atmospheric Scientist Award

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

Grade: 5-12

Award: 1st, \$1000 & certificate; 2nd, \$750 & certificate; 3rd, \$250 & certificate;

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

Who's Eligible? Individuals= Y Teams=N

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 - \$125, 2nd \$75 & honorable mention \$50. Grades 7-9: 1st - \$175; 2nd \$125; Honorable Mention \$75.

Grades 10-12: 1st \$250; 2nd \$175; Honorable Mention \$100.

Sponsor: American Water Works Association, Ohio Section

Who's Eligible? Individuals= Y Teams=N

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. Please note if a team pre-registers for this award, it is limited to 2 person teams ONLY. Teams with more than two members may not sign up.

Grade: 7-12

Award: 1st, 2nd, 3rd, Honorable Mention, \$100 & certificate - up to four awards per grade

Sponsor: Ohio Environmental Education Fund

Who's Eligible? Individuals= Y Teams=Y

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

Who's Eligible? Individuals= Y Teams=N

087 Ohio Environmental Health Association Award

For: Excellence in environmental health research

Grade: 5-12

Award: Recipients to receive a \$100 award

Sponsor: Ohio Environmental Health Association

Who's Eligible? Individuals= Y Teams=Y

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

Who's Eligible? Individuals= Y Teams=N

108 Society of Petroleum Engineers Award

For: Outstanding projects in Engineering and Earth Sciences related to the exploration, development, production or processing of petroleum and natural gas

Grade: 5-12

Award: Six (6) awards given - Two (2) Excellence in Science Awards (\$400 and plaque per awardee) and Four (4) Honorable Mention Awards (\$100 per awardee).

Sponsor: Society of Petroleum Engineers, Ohio Section

Who's Eligible? Individuals= Y Teams=N

260 Green Energy Ohio Student Achievement Award in Advanced or Alternative Energy

For: Project that displays an innovative and unique approach to reducing energy use or promoting renewable energy generation

Grade: 7-12

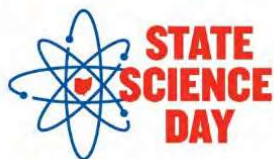
Award: One Award of \$250 Visa or Master gift card and an article in the GEO newsletter

Sponsor: Green Energy Ohio

Who's Eligible? Individuals= Y Teams=Y



If you or your organization is interested in providing a Scholarship or Sponsored Award for students at State Science Day, please email Michael Woytek at mwoytek@ohiosci.org, or call 614-389-2182 for sponsorship opportunities.



ADDITIONAL AWARDS

NOT AVAILABLE FOR PRE-REGISTRATION

DO NOT ATTEMPT TO SIGN UP FOR THESE AWARDS

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 attending an Ohio College only: Grades 10-12: 1st, \$1,750; 2nd, \$1,000; 3rd, \$750. Grades 7-9: same criteria – 1st, \$1,000; 2nd, \$500; 3rd, \$250.

Sponsor: Ohio Development Services Agency

Who's Eligible? Individuals= Y Teams=N

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, \$500 & certificate; 2nd, \$300 & certificate; 3rd, \$200 & certificate & up to one HM at \$100. \$1100 in each grade category (7-9, 10-12)

Sponsor: American Chemical Society, Columbus Section

Who's Eligible? Individuals= Y Teams=N

OTTA \$1,000 Scholarship

For: Fourteen Individual \$1,000 scholarships with the Ohio Tuition Trust Authority in a 529 plan. Determined after competition is complete.

Grade: 5-6

Award: OTTA \$1,000 Scholarship

Sponsor: Ohio Tuition Trust Authority

Who's Eligible? Individuals= Y Teams=Y

OTTA \$1,500 Scholarship

For: One overall \$1,500 scholarship with the Ohio Tuition Trust Authority in a 529 plan. Determined after competition.

Grade: 5-6

Award: \$1,500 Scholarship

Sponsor: Ohio Tuition Trust Authority

Who's Eligible? Individuals= Y Teams=N

Dr. Lynn E. Elfner Young Scientist Award

For: Awardees selected by OAS Staff for outstanding projects in grades 5-8.

Grade: 5-8

Award: Ten \$100 awards given to select students in each of the four grades, for a total of forty awards.

Sponsor: The Ohio Academy of Science

Who's Eligible? Individuals= Y Teams=Y

Thermo Fisher Scientific Junior Innovators Challenge

For: 10% of the students participating at State Science Day can be nominated for this competition

Grade: 6-8

Award: Apply to participate in the Thermo Fisher Scientific Junior Innovators Challenge event.

Sponsor: Society for Science & The Public

Who's Eligible? Individuals= Y Teams=Y

The Lemelson Early Inventor Prize

For: Outstanding innovation project

Grade: 6-8

Award: \$100 award to a 6th-8th grade inventor

Sponsor: The Lemelson Foundation via Society for Science & The Public

Who's Eligible? Individuals= Y Teams=N

DoD STEM Leadership Award

For: Exemplary leadership qualities through excellent communication skills and creative thinking.

Grade: 6-8

Award: \$100 Award for 6-8th grade student

Sponsor: Society for Science & The Public

Who's Eligible? Individuals= Y Teams=Y

Broadcom Coding with Commitment

For: 1. STEM Knowledge and 2. Coding/Computation in the project's research, design, or development that 3. Expresses Passion for helping or improving one's community.

Grade: 6-9

Award: Public recognition at Broadcom Foundation-sponsored competitions and showcases with the receipt of a formal certificate from the Broadcom Foundation, and \$250 Dollar Gift Certificate, and Raspberry Pi Foundation Official RP 400 Personal Computer Kit

Sponsor: Broadcom Foundation

Who's Eligible? Individuals= Y Teams=Y

If you or your organization is interested in providing a Scholarship or Sponsored Award for students at State Science Day, please email Michael Woytek at mwoytek@ohiosci.org, or call 614-389-2182 for sponsorship opportunities.