

East Central Scholarship Award (\$1000 scholarship + certificate)

scholarship to senior student demonstrating creativity, thoroughness, and scientific thought

Ashley Sowder - 12th grader from Southmoore High School

Social Immunity of Apis mellifera as an Antimicrobial Indicator of CCD

East Central Scholarship Award Alternate (\$1000 scholarship + certificate)

scholarship to senior student demonstrating creativity, thoroughness, and scientific thought

Aspen Layman - 12th grader from Southmoore High School

Thwarting Narcolepsy: Unmasking the Culprit Behind this Elusive Disorder

ECU Student Chapter of the ACM Award Division I (\$25 + certificate)

Outstanding computer science project (Division I)

Jacob Grothe - 12th grader from Southmoore High School

Don't Judge a Book By Its Cover: Enhancing Textbooks with Augmented Reality

ECU Student Chapter of the ACM Award Division II (\$25 + certificate)

Outstanding computer science project (Division II)

Devon Anderson - 9th grader from Latta

Can't Break This! An Investigation Into Personal Password Security

ECU Society of Physics Students Award Division I (\$15 + certificate)

Best project in physics (Division I)

Brytin Roedemeister - 10th grader from Dove Science Academy

Evolution of Wind Power

ECU Society of Physics Students Award Division II (\$15 + certificate)

Best project in physics (Division II)

Jonathan Powell - 8th grader from Dove Science Academy

The Study of Magnetic Fields for Vehicular Motion, Transportation & Eco-Green Consideration

Environmental Health Science Club Award Division I (\$50 + certificate)

Best environmental health science project (Division I)

Nick Shepherd - 12th grader from Miami High School

Tar Creek: Finding an Efficient and Cost-Effective Way to Remove the Heavy Metals from the Polluted Water of a Superfund Site

Environmental Health Science Club Award Division I (\$50 + certificate)

Best environmental health science project (Division I)

Hilary Shyers - 12th grader from Miami High School

Tar Creek: Finding an Efficient and Cost-Effective Way to Remove Heavy Metals from the Polluted Waters of a Superfund Site

Environmental Health Science Club Award Division II (\$25 + certificate)

Best environmental health science project (Division II)

Kelly Shelts - 9th grader from Bartlesville Mid-High School

A Super-Charged Method to Inhibit the Growth of E. coli

Adams Biomedical Engineering Award (\$100 + certificate)

Best biomedical engineering project

Micheal Spence - 11th grader from Bartlesville High School

Improving the WheelChair Ramp"

American Chemical Society- Oklahoma Section Award Division I 1st Place (\$150 + certificate)

Best use of chemistry (Division I - 1st place)

Samantha Curran - 11th grader from Southmoore High School

Sweet Poison: Artificial Sugars' Mutagenic Effects in the UNC 22 Gene of the Caenorhabditis Locomotive Phenotype

American Chemical Society- Oklahoma Section Award Division I 2nd Place (\$75 + certificate)

Best use of chemistry (Division I - 2nd place)

Samuel Allison - 11th grader from Allison Homeschool

Refraction in Action: Refractive Indices: The Molecular Weight Connection

American Chemical Society- Oklahoma Section Award Division I 3rd Place (\$50 + certificate)

Best use of chemistry (Division I - 3rd place)

Hannah Christy - 10th grader from Wagoner High School

RepHresh Yourelf (period)

American Chemical Society- Oklahoma Section Award Division I 3rd Place (\$50 + certificate)

Best use of chemistry (Division I - 3rd place)

Elizabeth Mason - 10th grader from Wagoner High school

RepHresh Yourself (period.)

American Chemical Society- Oklahoma Section Award Division II 1st Place (\$100 + certificate)

Best use of chemistry (Division II - 1st place)

Katelyn Roberson - 8th grader from Atoka McCall Middle School

Beta Carotene: Techniques for reading values in Cucumis melo (cantaloupe)

American Chemical Society- Oklahoma Section Award Division II 2nd Place (\$50 + certificate)

Best use of chemistry (Division II - 2nd place)

Jayden Hubler - 8th grader from Braggs Public Schools

Biodiesel: "burn 2 learn 2"

American Chemical Society- Oklahoma Section Award Division II 3rd Place (\$25 + certificate)

Best use of chemistry (Division II - 3rd place)

Josh Logan - 9th grader from Moss Public School

Got Clean Water?

American Fidelity Biochemistry/Medicine/Health Award Division I (\$500 + certificate)

Best project in Biochemistry/Medicine/Health category (Division I)

Aspen Layman - 12th grader from Southmoore High School

Thwarting Narcolepsy: Unmasking the Culprit Behind this Elusive Disorder

American Fidelity Biochemistry/Medicine/Health Award Division II (\$500 + certificate)

Best project in Biochemistry/Medicine/Health category (Division II)

Gage Holleman - 9th grader from Cascia Hall Preparatory School

Evaluating the Antimicrobial Effect of Essential Oils on Selected Bacteria

American Institute of Professional Geologists Award Division I (\$100 + certificate)

outstanding earth science/geology project (Division I)

logan harrison - 10th grader from wagoner high school

how cruel is the crude?

American Institute of Professional Geologists Award Division I (\$100 + certificate)

outstanding earth science/geology project (Division I)

Kyler Morgan - 10th grader from wagoner High School

How cruel is the crude?

American Institute of Professional Geologists Award Division II (\$100 + certificate)

outstanding earth science/geology project (Division II)

Anna Harmon - 7th grader from Owasso 7th Grade Center

Come Play In My Sandbox

Applied Technology and Mathematics Award Division I (\$300 + certificate)

Best project in Computer Science or Mathematics (Division I only)

Joseph Woodson - 11th grader from Home School

Determining the Optimal Combination of Trial Division and Fermat's Factorization Method

International Society for Optics & Photonics Award 1st Place (\$250 + certificate)

Best project where students apply optics or photonics technology, techniques, or principles to their project - 1st Place

Samuel Allison - 11th grader from Allison Homeschool

Refraction in Action: Refractive Indices: The Molecular Weight Connection

International Society for Optics & Photonics Award 2nd Place (\$150 + certificate)

Best project where students apply optics or photonics technology, techniques, or principles to their project - 2nd Place

Jacie Sellers - 9th grader from Latta Jr.High School

A Comparative Study on the Electromagnetic Radiation Output from Cell Phones

International Society for Optics & Photonics Award 3rd Place (\$100 + certificate)

Best project where students apply optics or photonics technology, techniques, or principles to their project - 3rd Place

Kendra Trimble - 12th grader from Vici Public Schools

Sound what? Sound board! II, Sounds a Little Pitchy

National Biology Teacher Association Award Division I (\$100 + certificate)

Life science projects that best exhibit sound scientific principles, includes statistical analysis of data, and has a practical application (Division I)

Taylor Gaines - 10th grader from Miami High School

Methylxanthines: Determination of Synergistic and Antimicrobial Properties of Caffeine and its Metabolites against Staphylococcus aureus and Pseudomonas aeruginosa

National Biology Teacher Association Award Division II (\$50 + certificate)

Life science projects that best exhibit sound scientific principles, includes statistical analysis of data, and has a practical application (Division II)

Maddi Simpson - 9th grader from Grove High School

Tea Time Terrific: Testing the effects of black, green and white tea on Lumbriculus variegatus regeneration & Escherichia coli growth.

OG&E Award (\$100 + certificate)

Best use of energy

Brian Lea - 10th grader from Bartlesville Mid-High

Maximization of Green Energy

OK Chapter American Statistical Association Award Division I (\$100 + certificate)

Best use of statistics in project (Division I)

Nick Shepherd - 12th grader from Miami High School

Tar Creek: Finding an Efficient and Cost-Effective Way to Remove the Heavy Metals from the Polluted Water of a Superfund Site

OK Chapter American Statistical Association Award Division I (\$100 + certificate)

Best use of statistics in project (Division I)

Hilary Shyers - 12th grader from Miami High School

Tar Creek: Finding an Efficient and Cost-Effective Way to Remove Heavy Metals from the Polluted Waters of a Superfund Site

OK Chapter American Statistical Association Award Division II (\$50 + certificate)

Best use of statistics in project (Division II)

Daniela Galindo - 9th grader from Shattuck High School

Does font size affect reading rate?

Oklahoma Association of Optometric Physicians Division II (\$200 + certificate)

Excellence in vision science and optometry

Kelsey Zaun - 9th grader from Bartlesville Mid-High

Now You See It ! Now You Don't !

Oklahoma Association of Optometric Physicians Division II (\$200 + certificate)

Excellence in vision science and optometry

Ashlyn Morrison - 9th grader from Latta Junior High

A Study of Low Light Conditions and Individual Color Perception

Oklahoma Consortium of Clinical Laboratory Science Affiliates (\$50 + plaque)

Best project in the area of medical technology

Casady Burns - 10th grader from Latta High School

A Study of Bacteria Susceptibility to Coliphage with Bacteria Amylase Treatment

Oklahoma Corporation Commission Special Recognition Award Division I (Medallion + certificate)

Category 1: Outstanding project on prevention, abatement and/or remediation of pollution in the oil and gas, transportation or fuel industries (Division I)

Pratika Goparaju - 10th grader from Classen SAS

A comparative study of Bioremediation and Dispersants in degradation of Hydrocarbons

Oklahoma Corporation Commission Special Recognition Award Division II (Medallion + certificate)

Category 1: Outstanding project on prevention, abatement and/or remediation of pollution in the oil and gas, transportation or fuel industries (Division II)

Mishana Ellison - 9th grader from Latta Jr High

An Investigation into Factors Affecting the Rate of Oil Dispersion

Oklahoma Corporation Commission Special Recognition Award Division I (Medallion + certificate)

Category 2: Outstanding project related to natural gas, electricity, etc including all forms of alternate energy or telecommunications (Division I)

Sreeram Krishnan - 10th grader from Bartlesville Mid High School

Vertical Axis Wind Turbines: Innovations to Improve Energy Production

Oklahoma Corporation Commission Special Recognition Award Division II (Medallion + certificate)

Category 2: Outstanding project related to natural gas, electricity, etc including all forms of alternate energy or telecommunications (Division II)

Jonathan Powell - 8th grader from Dove Science Academy

The Study of Magnetic Fields for Vehicular Motion, Transportation & Eco-Green Consideration

Oklahoma NASA Space Grant Award Winner (\$500 scholarship + certificate)

Scholarship to OK NASA Space grant affiliated university for best aerospace or space related project

Ezekiel Kindle - 12th grader from Westville High School

Flame Waves. Water Isn't the Only Thing That Can Extinguish Fire

Oklahoma NASA Space Grant Award 1st Alternate (1st alternate certificate)

Scholarship to OK NASA Space grant affiliated university for best aerospace or space related project

Bryan Johnson - 12th grader from Southmoore High

Enhanced BioEthanol Production: Finding a Superior Way to Extract Fuel from Uncharted Plant Species

Oklahoma Science Teachers Association Award Division I (\$150 + certificate)

Micheal Spence - 11th grader from Bartlesville High School

Improving the WheelChair Ramp"

Oklahoma Science Teachers Association Award Division II (\$100 + certificate)

Kegan Allen - 8th grader from Grove Middle

Truss Mania

SWOSU Award Biology (\$5000 scholarship)

Twelve-hour tuition waiver and \$1000 per semester for two semesters freshman scholarship awarded to a student who demonstrates scientific excellence and high academic potential in Biology. Special consideration will be given to students who plan to seek

Hilary Shyers - 12th grader from Miami High School

Tar Creek: Finding an Efficient and Cost-Effective Way to Remove Heavy Metals from the Polluted Waters of a Superfund Site

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Ashley Sowder - 12th grader from Southmoore High School

Social Immunity of Apis mellifera as an Antimicrobial Indicator of CCD

SWOSU Award Chemistry (\$5000 scholarship)

Twelve-hour tuition waiver and \$1000 per semester for two semesters freshman scholarship awarded to a student who demonstrates scientific excellence and high academic potential in Chemistry. Special consideration will be given to students who plan to see

Samuel Allison - 11th grader from Allison Homeschool

Refraction in Action: Refractive Indices: The Molecular Weight Connection

SWOSU Award Chemistry (\$5000 scholarship)

Twelve-hour tuition waiver and \$1000 per semester for two semesters freshman scholarship awarded to a student who demonstrates scientific excellence and high academic potential in Chemistry. Special consideration will be given to students who plan to see

Jenna Huling - 11th grader from Ada High School

Enhanced Adsorption of Arsenic on Aquifer Solids: Impact of Oxidative Treatment of Aquifer Solids

(2011 Broadcom MASTERS Nominee)

McKalee Steen - 7th grader from Grove Middle School

Budding Out

(2011 Broadcom MASTERS Nominee)

Enxhi Mustafaraj - 7th grader from Atoka McCall Middle School

Hot or Not: Comparing the emissivity of light for different colors, mediums, containers, and light bulbs.

(2011 Broadcom MASTERS Nominee)

Alyssa Raymond - 8th grader from Grove Middle

What's that in Your Salad?

(2011 Broadcom MASTERS Nominee)

Gideon Hallum - 8th grader from Muldrow Middle School

Out of Money

(2011 Broadcom MASTERS Nominee)

Mary Thomas - 8th grader from Grove Middle

Are We Spoiling the Lake?

(2011 Broadcom MASTERS Nominee)

Christopher Lindsay - 8th grader from Wagoner Middle School

How Low Can You Go: an experiment to determine the effect of decreased air pressure on skin's normal bacteria during incubation.

(2011 Broadcom MASTERS Nominee)

Spencer Heald - 7th grader from Central Middle School

It's a Drag: A Study of Truck Aerodynamics

(2011 Broadcom MASTERS Nominee)

Tara Curb - 7th grader from Casady School

What is the Effect of Scented Markers vs. Colored Markers on Spelling Accuracy?

(2011 Broadcom MASTERS Nominee)

Erin Yen - 7th grader from Bishop John Carroll Catholic School

Family Fingerprints-Can You Tell? Does Heredity affect fingerprint characteristics?

American Meteorological Society Award (Certificate)

Outstanding achievement for creative scientific endeavor in the areas of atmospheric and related oceanic and hydrologic sciences

Willow Gahr - 10th grader from Aline-Cleo High School

A Little Bit of Sunshine

American Meteorological Society Award (Certificate)

Outstanding achievement for creative scientific endeavor in the areas of atmospheric and related oceanic and hydrologic sciences

Brian Lea - 10th grader from Bartlesville Mid-High

Maximization of Green Energy

American Psychological Association (Certificate)

Outstanding research in psychological science under the category of behavioral and social sciences or any category related to psychology (eg animal sciences, computer science, environmental science, medicine and health)

Emily Pham - 10th grader from Bartlesville Mid-High

Stop and Smell the Rosemary

ASM Materials Education Foundation Award (Medallion (upon acceptance) + certificate)

Best materials engineering project

Rachel Wittenbach - 10th grader from Bartlesville Mid-High School

Measuring the Corrosion Fatigue of Steel in Different Environments

Association for Women Geoscientists Award (Certificate)

Female student whose project exemplifies high standards of innovativeness and scientific excellence in the geosciences.

Hilary Shyers - 12th grader from Miami High School

Tar Creek: Finding an Efficient and Cost-Effective Way to Remove Heavy Metals from the Polluted Waters of a Superfund Site

Intel Excellence in Computer Science Award (\$200 + certificate)

Best Computer Science project in Division I (teams split evenly)

Jacob Grothe - 12th grader from Southmoore High School

Don't Judge a Book By Its Cover: Enhancing Textbooks with Augmented Reality

Mu Alpha Theta Award (Certificate)

Individual or group project (9th – 12th) demonstrating the most challenging, original, thorough, and creative investigation of a problem involving mathematics accessible to a High School student

Mattie Drago - 10th grader from Muskogee High School

Do the Math: determining the affect of calculator usage on algebra skills

National Society of Professional Engineers Award (Certificate and lapel pin)

most outstanding engineering project (includes entry for \$1K award)

Sreeram Krishnan - 10th grader from Bartlesville Mid High School

Vertical Axis Wind Turbines: Innovations to Improve Energy Production

NOAA's "Taking the Pulse of the Planet" Award (Certificate, letter, and medallion)

Research that emphasizes NOAA's mission to understand and predict changes in Earth's environment and conserve and manage coastal and marine resources to meet our Nation's economic, social, and environmental needs.

Mishana Ellison - 9th grader from Latta Jr High

An Investigation into Factors Affecting the Rate of Oil Dispersion

Society for In Vitro Biology Award (Certificate and potential recognition/presentation opportunities)

Most outstanding 11th grade student exhibiting in the areas of plant or animal in vitro biology or tissue culture

Katelyn McCarley - 11th grader from Bartlesville High School

Waste Not Want Not: Using Blue-Green Algae to Remove Urea and Carbon Dioxide

The Regional Ricoh Sustainable Development Award (Certificate)

Individual or team project whose principles and technical innovations offer the greatest potential for increasing our ability to grow environmentally friendly and socially responsible businesses.

Bryan Johnson - 12th grader from Southmoore High

Enhanced BioEthanol Production: Finding a Superior Way to Extract Fuel from Uncharted Plant Species

U.S. Stockholm Junior Water Prize (certificate pkg)

Best water related projects (Division I only)

Hilary Shyers - 12th grader from Miami High School

Tar Creek: Finding an Efficient and Cost-Effective Way to Remove Heavy Metals from the Polluted Waters of a Superfund Site

U.S. Stockholm Junior Water Prize (certificate pkg)

Best water related projects (Division I only)

Jenna Huling - 11th grader from Ada High School

Enhanced Adsorption of Arsenic on Aquifer Solids: Impact of Oxidative Treatment of Aquifer Solids

U.S. Stockholm Junior Water Prize (certificate pkg)

Best water related projects (Division I only)

Paige Parrack - 12th grader from Southmoore High School

Heavy Metal Bioremediation: A Second Year Study

US Metric Association (Certificate)

Student in the senior division (9th-12th) in the USA only whose project involves quantitative measures and which best uses the SI metric system for those measures

Tim Stouffer - 10th grader from Bartlesville mid-high

A little goes a long way

Yale Science & Engineering Assoc., Inc. Award (Certificate)

Most outstanding 11th grade student exhibiting in the areas of Computer Science, Engineering, Physics or Chemistry

Micheal Spence - 11th grader from Bartlesville High School

Improving the WheelChair Ramp"

US Air Force Award (Certificate, holder, and computer backpack)

Lean Filart - 8th grader from Discovery School of Tulsa

Hide and Seek

US Air Force Award (Certificate, holder, and computer backpack)

Tori Lee - 7th grader from Grove Middle School

Why Winglets?

US Air Force Award (Certificate, holder, and computer backpack)

Christopher Lindsay - 8th grader from Wagoner Middle School

How Low Can You Go: an experiment to determine the effect of decreased air pressure on skin's normal bacteria during incubation.