



MSEF

Massachusetts Science
+ Engineering Fair

HIGH SCHOOL FAIR 2024

POWERED BY **amazon**

High School Awards:

Scholarships

Summer Programs

Society for Science Sponsored Awards

Placement Awards, Category Awards, and Special Awards can be found at
<https://scifair.com/news-opportunities/>

MSEF will be in touch in the coming days with details about your awards.

2024 Scholarship Recipients

Summer Programs

Harvard Summer School Program

Yuxian Liu, Phillips Academy

Worcester Polytechnic Institute College Credit Jumpstart

Mariyam Patel, Billerica Memorial High School

Wentworth Institute of Technology Impact Lab

Anna Li, North Quincy High

Jack Li, Wellesley Senior High

Ishana Saroha, Shrewsbury Senior High

National Youth Summer Camp

Palak Yadav, Mass Academy

Jessica Liu, Lexington High

Tuition Scholarships

UMass Amherst

Ananya Mathur, Billerica Memorial High School

UMass Boston

Mariyam Patel, Billerica Memorial High School

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Merrimack College
Emily King, Athol High
Shaurya Patni, Mass Academy

Wentworth Institute of Technology
Lindsey Paradise, Mass Academy

Worcester Polytechnic Institute
Sophia Caramanica, Mass Academy

American Society of Safety Professionals

Lily Bouyea,
Logan Szenda

Westfield High School

Comparing Fire Extinguishing Solutions

Society for Science Sponsored Recognition & Certificates

American Psychological Association

APA Certificate of Achievement in Research in Psychological Science

Carina Fujimoto

Newton Country Day
School

*The Impact of Sleep Deprivation on Cognitive
Performance Among Female Middle and High
School Students*

Association of Women Geoscientists

Student Award of Geoscience Excellence

Shuting Zhu

O'Bryant School of
Mathematics and Science

*Gravitropism in Microgravity: Simulating the Effects
of Constant Rotation on Plant Germination using
Arduino Clinostat*

NASA

Earth System Science Award

Vasudevan
Lakshmanan

Massachusetts Academy
of Math & Science

*Simulating and Developing A Solar Tracking Solar Cell
Attachment For Residential Areas*

National Oceanic and Atmospheric Administration

Taking the Pulse of the Planet Award

Elizabeth Hanechak

Pope Francis Preparatory
School (Springfield)

*Solving Our Planet's Plastic Problem: Developing a Biological
System That Turns Toxic Waste Into Drinkable Water and
Fertilizer*

Ricoh USA, Inc
Ricoh Sustainable Development Award 2024

**Arohan Pathak,
Siddarth Padamati**

Littleton High School

*A Study of Natural Plastic Biodegradation by Polyphenol
Oxidation Using Galleria mellonella*

Society for In Vitro Biology
Certificate of Outstanding Achievement for Ability and Creativity
in In Vitro Biology

Bolin Mao

Dana Hall School

*Exploring the Interactions Between Peritoneal Dendritic Cells
and T Cells: Implications for Cancer Metastasis*

U.S. Agency for International Development (USAID)
Science Champion Award

**Eftalia Economou,
Ndioba Fall**

Bancroft School

*Remediating Oil-Contaminated Soil in Rural Colombia by
Using Bacillus Subtilis for Sustainable Crop Growth*

Yale Science and Engineering Association
Top 11th Grade Project

**Ananya Mathur,
Gianna Nalumansi,
Mariyam Patel**

Billerica Memorial High
School

*Study Smarter not Harder: The Neuropsychology Behind
Studying Techniques in Correlation to Academic Performance
of Adolescents*