



2024 National STEM Challenge Volunteer Judges One-Sheet

The National STEM Challenge presented by EXPLR, is a nationwide challenge designed to cultivate creativity, critical thinking, and a love for STEM among middle and high school students. With schools in every state and a national network of more than 100 student-serving organizations taking part, we are expecting approximately 20,000 student submissions!

More than 2,000 judges are being recruited to help with the process of evaluating the entries and providing meaningful feedback for every single project.

Volunteer Judge Qualifications:

To qualify as a reviewer, you must either possess at least four years of professional experience in a related field (including teaching) OR be a current graduate or doctoral student.

Volunteer Duties:

The digital review process will take place in November-December 2023 with each volunteer reviewing between 10-12 projects. Approximately 2 hours of virtual volunteer time will be needed.

Volunteers will evaluate student projects in six STEM categories:



1. Environmental Stewardship:

Projects promoting responsible use of natural resources, conserving water and energy, addressing climate change, and exploring scalable solutions to environmental issues.



2. Future Foods Systems:

Research equitable and sustainable practices in food production, distribution, and consumption, considering factors like climate change, population growth, resource scarcity, and food security.



3. Health & Medicine:

Innovating medical devices, disease diagnosis and treatment methods, and healthcare solutions, focusing on equitable access to healthcare.



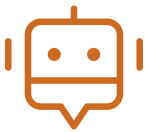
4. Power the Planet:

Designing alternative and sustainable energy sources, energy storage technologies, energy efficiency, and grid optimization.



5. Space Innovation:

Tackling challenges in aviation and aerospace, from life on Mars habitats to carbon emissions reduction and fuel efficiency optimization.



6. Tech for Good:

Utilizing AI, data visualization, robotics, and other technologies to develop programs or devices addressing real-world challenges, including closing the digital divide and addressing racial biases in technology.

Top-scoring STEM Champions will be invited to participate in the 2024 National STEM Festival in Washington D.C., co-presented by the U.S. Department of Education and EXPLR.

Why You're Important:

STEM education plays a vital role in shaping the future of our world. As such, it's important that every student receives meaningful feedback and encouragement to help cultivate and foster a genuine interest and passion for STEM learning and careers. Participation from scientists, engineers, educators, and professionals will help instill a sense of confidence and motivation to pursue their passions further.

How to Apply:



Complete the [Festival Review Panel interest form](#). Please pass along this information to qualified potential judges within your network!



See the QR code above for [more information](#) about the National STEM Challenge and related media announcements.