2024 Garrett Morgan Sustainable Transportation Competition

INFORMATION NIGHT
September 20, 2023
6:00p.m.–7:00p.m. (PT)
About Us

- The Mineta Transportation Institute (MTI)
- The Garrett Morgan Sustainable Transportation Competition

Garrett Morgan
Inventor and entrepreneur
Benefits for the Team Lead

- Teacher’s guide, mentors, MTI staff support
- $500 teacher honorarium and $50 for project expenses
- Positive community involvement
- Positive impact on youth development
- Your professional growth
Benefits for the Students

- BUILD your college and career portfolio
- DEVELOP your competency skills
- EXPLORE careers in transportation
- WIN $1,000, $500, $200 in prizes
- Have FUN with your friends!
The Competition

What is it?
A national STEAM competition focused on sustainable transportation instituted by former Secretary of Transportation Rodney Slater to encourage young people to consider careers in transportation.

How to sign up
https://tinyurl.com/2024GM Registration

Who can participate?
Middle school educators and parents of students in classes, clubs, after-school programs, and any other youth-serving organizations.

Learn best tips & practices
From our past winners, the MTI team and feedback from our program surveys.
Register team by 10/24/23
Attend Information Night
Review prompt
Review rubric

Explore possible solutions
Consult your mentor

Submit project entry form
Submit photo release by 11:59 PM 02/24/24

Develop project
Practice your presentation
Record your presentation

Submit video by 11:59 PM 03/24/24
Submit program survey
Attend the virtual award ceremony

*Click on the image to view the enlarged flow chart and links to relevant forms.*
Available Resources

01 Teacher's Guide
Updated to align with the Next Generation Science Standard and the California Common Core Standard

02 Scoring Rubric
https://tinyurl.com/GarrettMorgan24-Rubric

03 Professional Mentors
We can match your team with a transportation industry professional who is a subject matter expert.

04 Dedicated MTI Team
On-going support as needed via email, phone and Zoom
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<thead>
<tr>
<th>Category</th>
<th>Scoring Criteria</th>
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<th>10</th>
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<tbody>
<tr>
<td><strong>Organization</strong></td>
<td>The type of presentation is appropriate for the topic and audience</td>
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<td>Information is presented in a logical sequence</td>
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<td><strong>Content</strong></td>
<td>Introduction is attention-getting, lays out the problem well, and establishes a</td>
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<td>framework for the rest of the presentation.</td>
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<td>Technical terms are well-defined in language appropriate for the target audience.</td>
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<td>Presentation contains accurate information.</td>
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<td>Material included is relevant to the overall message/purpose.</td>
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<td>Appropriate amount of material is prepared, and points made reflect well their</td>
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<td>relative importance.</td>
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<td>There is an obvious conclusion summarizing the presentation.</td>
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<td><strong>Presentation</strong></td>
<td>Speaker(s) maintain good eye contact with the audience and are appropriately</td>
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<td>animated.</td>
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<td>Speaker(s) use a clear, audible voice.</td>
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<td>Delivery is poised, controlled, and smooth.</td>
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<td>Good language skills and pronunciation are used.</td>
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<td>Visual aids are well prepared, information, effective, and not distracting.</td>
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<td>Length of presentation is within the assigned time limits (max. 10 min.).</td>
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<td>Information was well communicated.</td>
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<td><strong>Overall Fit / Goals</strong></td>
<td>Does the project clearly solve part of the sustainable transportation problem?</td>
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Important Dates

01 Tuesday, October 24, 2023
   Registration Deadline

02 Saturday, February 24, 2024
   Project Entry & Photo Release Due

03 Sunday, March 24, 2024
   Video & Program Survey Due
Best Tips & Practices

- Review the prompt and the rubric
- Find a mentor
- Use your resources
- Schedule regular meetings
More than 43,000 people die on roads in the U.S. each year and millions more are injured. Conventional viewpoints have held that collisions are an inevitable consequence of modern roads. However, armed with the right strategies, we can stop this trend and bring these grim statistics down to zero. This is #VisionZero2030—a commitment to stopping traffic-related deaths and injuries by the year 2030.

Secretary of Transportation Pete Buttigieg called the number of traffic deaths a national crisis. Last year, the Biden Administration gave $5 billion to the Safe Streets & Roads for All to promote safety for all road users, especially vulnerable pedestrians and bicyclists. Despite these efforts, people are still dying—on average, four lives are lost every hour, every day, across the nation due to traffic collisions. The clock is ticking, and the time for action is now.
Teams, your task is to choose one of the prompts below and explore a solution that will bring your community closer to #VisionZero2030.

01 Technology

What technological innovation could make roads safer and make transportation more sustainable? What would this innovation look like? Drone-based traffic enforcement? Automated traffic cameras? Self-driving cars? What would they cost to create and implement? How would they help roads become safer while also making transportation more sustainable? Choose one technology and explain how they contribute to both sustainable transportation and Vision Zero, the implications of using this technology, and how to implement it.

02 Urban Planning

Imagine you're in charge of designing roads in your town. How can we improve the role of urban planning and infrastructure design to create safer roads? Provide 1-2 specific examples of how changes in road design can enhance safety. Consider materials & technology that would also contribute to reduce the impact of transportation on climate change.
Teams, your task is to choose one of the prompts below and explore a solution that will bring your community closer to #VisionZero2030.

03 Safety & Sustainability

Explore the intersection of safety and sustainability. If more people used more sustainable transportation options, would there be fewer traffic injuries and deaths? If more people walk and bike and use public transit, how can we keep them safe? How do we encourage more people to walk and bike? Propose a plan to 1) promote sustainable transportation options (e.g., a plan to get your community walking to school) and 2) how this plan fits in with Vision Zero.

04 Safe Streets & Roads for All

Imagine you’re in charge of $5 billion for the Safe Streets & Roads for All project. How can you spend it to make transportation both safer and better for the planet? Devise a specific project for how to share and use the funds to meet Vision Zero goals and also lower the pollution from transportation.

https://tinyurl.com/GarrettMorgan24-Prompt
Invest in Your Future

1st place winner
$1,000 cash prize
Plaque, Certificate of Participation
all-expenses-paid trip for a teacher, two student representatives, and a parent or adult guardian to San José, CA for the MTI awards banquet in June

2nd place winner
$500 cash prize
Plaque
Certificate of Participation

3rd place winner
$200 cash prize
Plaque
Certificate of Participation
"It’s so fantastic to see kids work together on passions and interests with projects that could potentially make a difference in our lives. The real-world application of knowledge and skills that is being used at such a high level is amazing to watch."

Principal Corey Brown, Hopkins Jr High

"Thank you sharing the link and for doing such a tremendous job to appreciate kids."

Happy long weekend.

Anurag, Parent
We are so thankful for this experience and being able to put our knowledge into something so important. I also think anyone can make a difference in the world, no matter what age.

Xavia Wofford, Ni River Middle School Student

Our students came together and dedicated so much of their time and efforts into this competition. They really grew as a community. This experience helped their social emotional development through such hard time, so we're so thankful.

Katey Dodd, California Montessori Project - Capitol Campus Teacher
Any questions? Contact us!

Thank you for investing your time to educate and engage your students to solve our nation’s critical transportation issues.

408.924.7561

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transweb.sjsu.edu/workforce-development/garrett-morgan-program