

# 2024 Garrett Morgan Sustainable Transportation Competition

## INFORMATION NIGHT

September 20, 2023  
6:00p.m.–7:00p.m. (PT)



**SJSU** SAN JOSÉ STATE  
UNIVERSITY



# 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.



## Who can participate?

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



## How to sign up

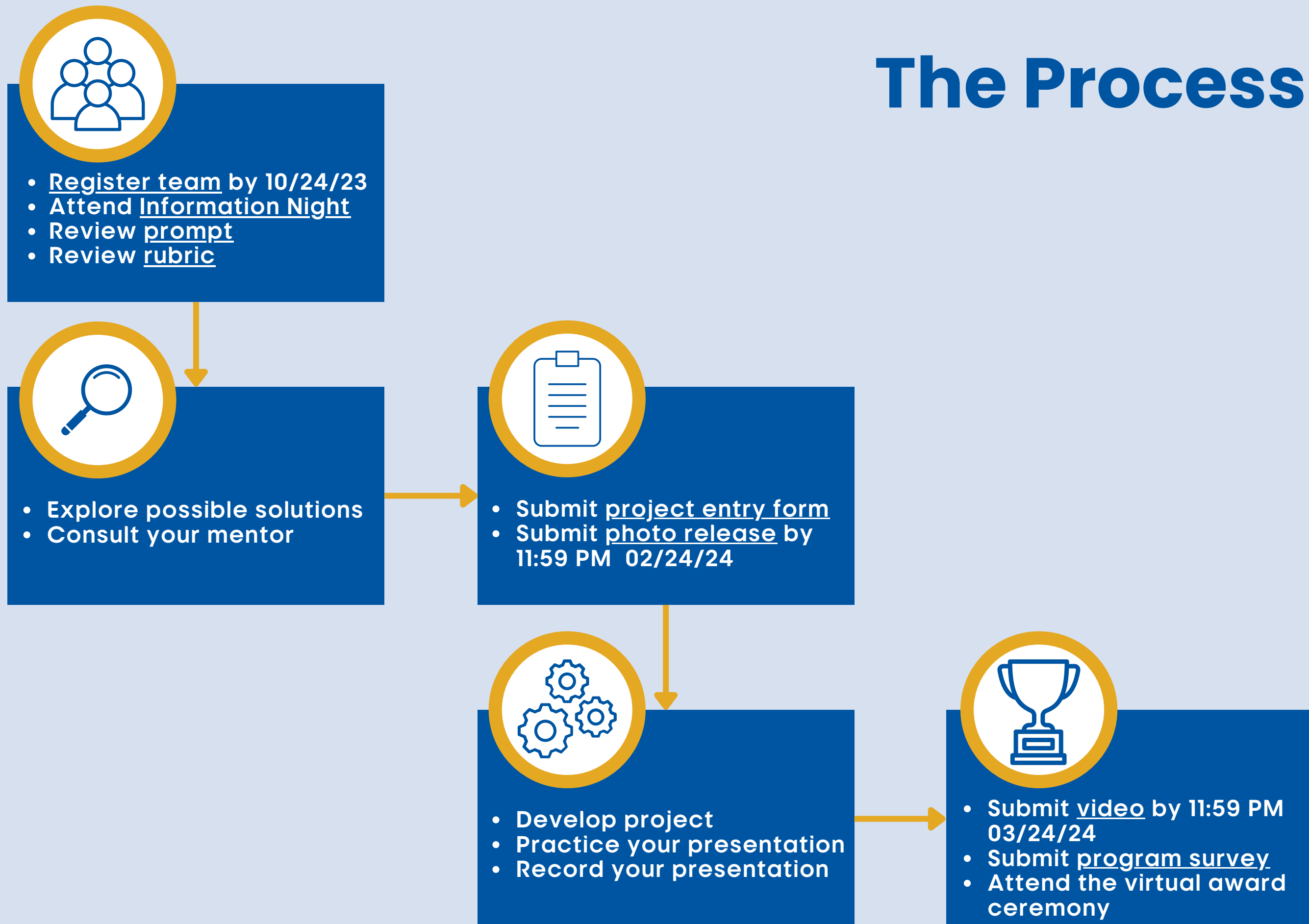
<https://tinyurl.com/2024GM>  
Registration



## Learn best tips & practices

From our past winners, the MTI team and feedback from our program surveys.

# The Process



\*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

# The Scoring Rubric

<https://tinyurl.com/GarrettMorgan24-Rubric>

Category	Scoring Criteria	
Organization	<ul style="list-style-type: none"><li>• The type of presentation is appropriate for the topic and audience</li><li>• Information is presented in a logical sequence</li></ul>	5 10
Content	<ul style="list-style-type: none"><li>• Introduction is attention-getting, lays out the problem well, and establishes a framework for the rest of the presentation.</li><li>• Technical terms are well-defined in language appropriate for the target audience.</li><li>• Presentation contains accurate information.</li><li>• Material included is relevant to the overall message/purpose.</li><li>• Appropriate amount of material is prepared, and points made reflect well their relative importance.</li><li>• There is an obvious conclusion summarizing the presentation.</li></ul>	5 5 10 10 10 5
Presentation	<ul style="list-style-type: none"><li>• Speaker(s) maintain good eye contact with the audience and are appropriately animated.</li><li>• Speaker(s) use a clear, audible voice.</li><li>• Delivery is poised, controlled, and smooth.</li><li>• Good language skills and pronunciation are used.</li><li>• Visual aids are well prepared, information, effective, and not distracting.</li><li>• Length of presentation is within the assigned time limits (max. 10 min.).</li><li>• Information was well communicated.</li></ul>	5 5 5 5 5 5 10
Overall Fit / Goals	<ul style="list-style-type: none"><li>• Does the project clearly solve part of the sustainable transportation problem?</li></ul>	30



# 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**





<https://tinyurl.com/GarrettMorgan24-Prompt>



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.***



<https://tinyurl.com/GarrettMorgan24-Prompt>

**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.





<https://tinyurl.com/GarrettMorgan24-Prompt>

**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.

# 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

# Why GMC

"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.



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[transweb.sjsu.edu/workforce-development/garrett-morgan-program](https://transweb.sjsu.edu/workforce-development/garrett-morgan-program)

