

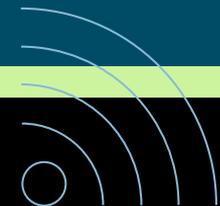
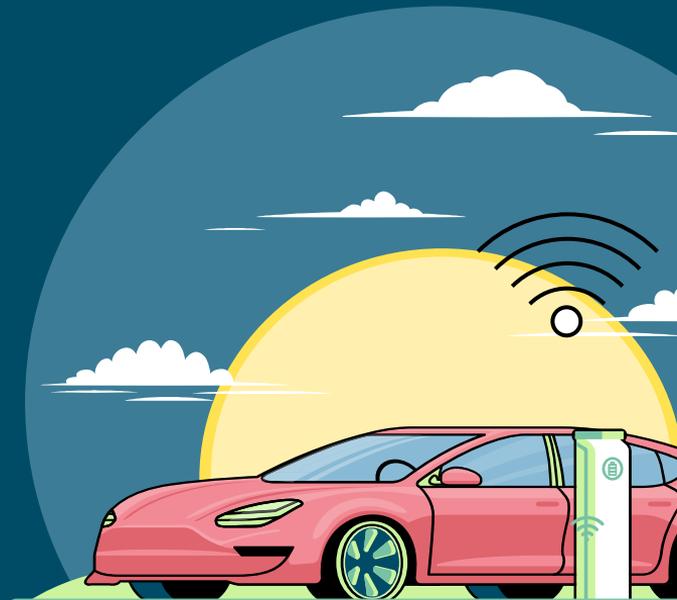
Think Tank

2022-2023



Environmental Sustainability

Mission Zero Emission





Objectives

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Competition Overview

02

GIFT Mission 2 Course

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Rules & Judging Criteria

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Resources and Q&A





Overview

It is the year 2035 and all new vehicles sold in CA are zero emission.

Students are tasked with researching the current state of vehicle emissions, zero emission technology, and creating a design concept which conceptualizes a future in which all vehicles are zero emission.



Overview



Mission Z Course

Complete the
Mission Z Curriculum

Presentation and Q&A

Prepare a presentation on
the need for zero
emission vehicles,
current technologies,
and answer questions
based on the Mission Z
course

Video Pitch Deck

Envision the future of
zero emission vehicles
and pitch a design
concept in a creative
and engaging video





Global Institute For Futures Teaching Mission Z

**Mission Z Curriculum Workshop
w/ Richard Tavener
Co-founder and CEO, GIFT
Tuesday 9/27 @ 5pm**

Mission Z MESA Curriculum

<http://www.giftcalifornia.org/pages/mission-zero-mystery-mesa>



Mission Z is focused on environmental science in general, and specifically on electrified transportation for the future.

The Mission Z content has three episodes, all three episodes are available in one single Mission Z course.

At the end of Mission Z (the final episode) the students are then given their Mission Assignment; to imagine the world of Electrified Transportation in the year 2035 (what will charging stations look like a home, work, shopping; or what will the ZEVs themselves look like? Self-driving, Aying, etc.) In any case, the students have one assignment. Imagine ZEVs in 2035.



Mission Z Tech Presentation & Q&A

Live presentation based on the need for zero emission vehicles and current research and available technology.

Judges Q&A based on the Mission Z Curriculum.

Hosted on Zoom or other video conferencing platform. Verify logistics with your local MESA Center.

Presentation	Q&A
3 minutes	2 minutes
How vehicle exhaust harms the planet and human body	Answer 3 questions
Define zero emission vehicles and how they function	Question bank provided
Changes and effect on environment if all vehicles were zero emission	Mission Z Course

Design Concept **Video Pitch Deck**

Produce a design concept which envisions what the future of zero emission vehicle technology, charging, or infrastructure may entail using medium of choice. Create a video to introduce your concept. Verify submission guidelines with your local MESA Center.

Creative & Engaging	5 Minutes
Production Quality	Include official MESA logo - https://mesa.ucop.edu/resources/
Audio clarity and effects	Why the need for zero emission vehicles
Visual clarity and graphics	Highlight key features of design
Style and Organization	Innovative and suited to meet the need
Team Participation	Effects and benefit to community and society

Free Video Editing Software: iMovie, Windows Video Editor, Animotia, Animoto, VideoPad, Vimeo Create, DaVinci Resolve, VSDC Free Video Editor, OpenShot, KineMaster, Movie Maker Online.

Resources & Questions?

Mission Z MESA Curriculum

<http://www.giftcalifornia.org/pages/mission-zero-mystery-mesa>

MESA Day Rules:

<https://mesa.ucop.edu/resources>

MESA Day Q&A Submission Form:

<https://bit.ly/3SvAUYi>

MESA Day Q&A Database:

<https://tinyurl.com/5n8f2cxt>

