

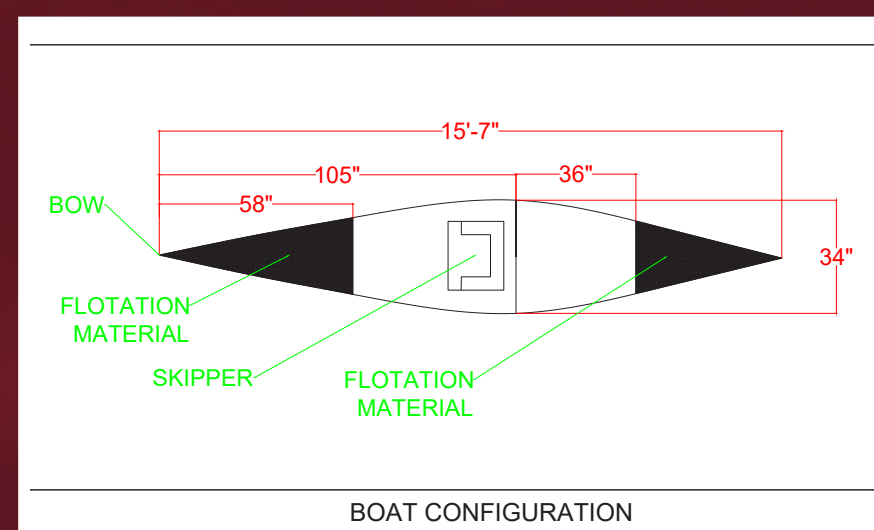


COLTON HIGH SCHOOL  
STEAM CLUB

The City of Colton Water and Electric Utilities participate in the annual Inland Solar Challenge (ISC) to engage students in Science, Technology, Engineering, Art, and Math (STEAM).

By sponsoring Colton High School, the City fosters careers in STEAM fields to build a new generation of skilled professionals who will enrich our community.

# S SCIENCE



Students test the buoyancy of the boat so it stays afloat during the race.

# T TECHNOLOGY



Photovoltaic solar panels provide power to the boat.

# E ENGINEERING



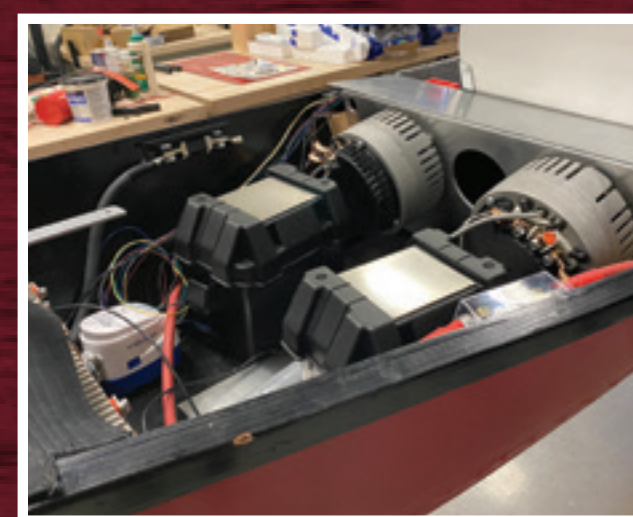
A sleek and aerodynamic design allows the boat to maneuver the lake with speed and control.

# A ART



Colton High School's Graphic Arts Department designed and laser-cut the boat wrap. Students also utilize multimedia to create a public service announcement video on water supply concerns in their service area.

# M MATH



Students use math to produce an efficient design.

For more information, visit [inlandsolarchallenge.com](http://inlandsolarchallenge.com) or contact the following staff:

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Senior Water Conservation Specialist  
[cgriego@coltonca.gov](mailto:cgriego@coltonca.gov) • 909-370-6145





# INLAND SOLAR CHALLENGE



## MISSION:

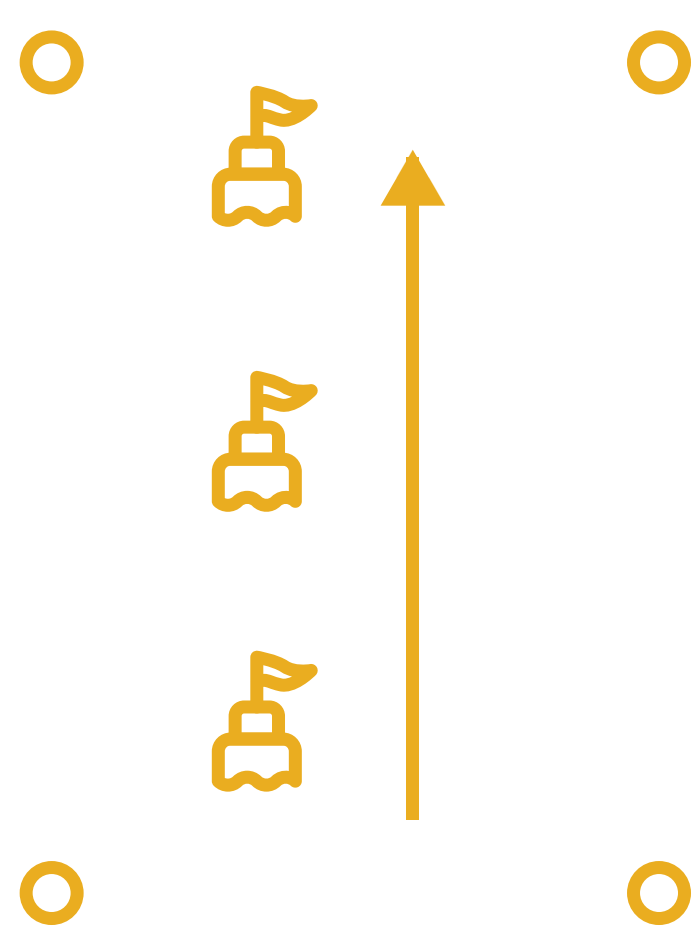
To provide students with a platform that will ignite their passion for careers in STEAM fields. Through education and advocacy, we aim to instill a deep understanding of the value of Earth's resources, with a focus on water and energy, and their critical role in sustaining our communities and ecosystems, ensuring that young minds lead the way in sustainable innovation and environmental responsibility.



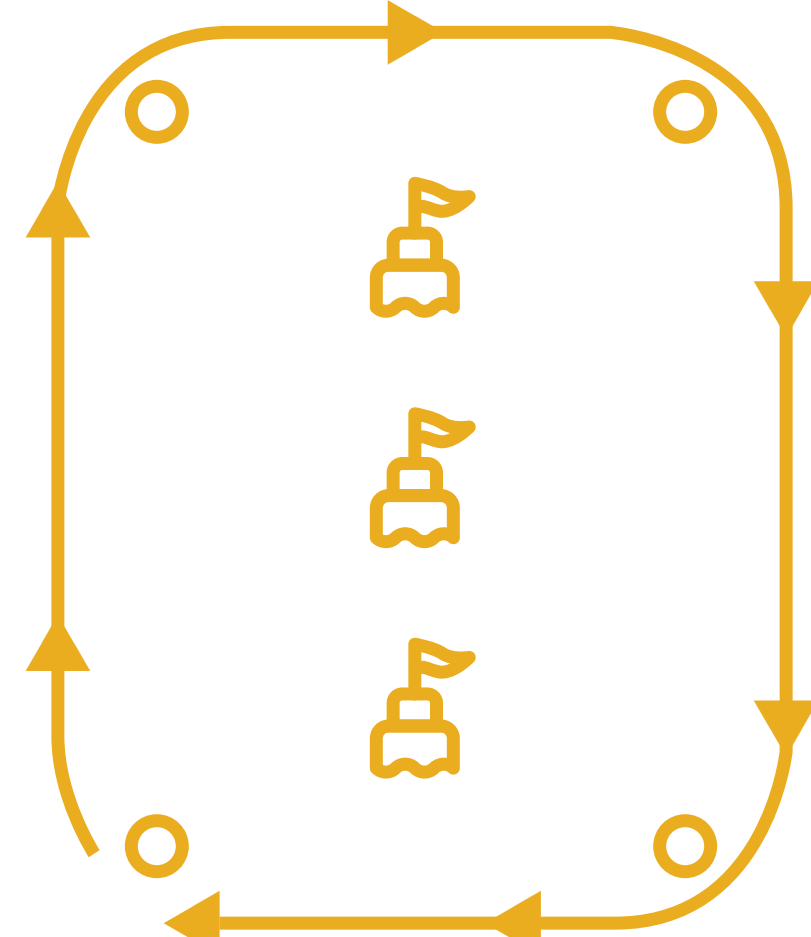
## COMPETITION COMPONENTS:

### THE RACES

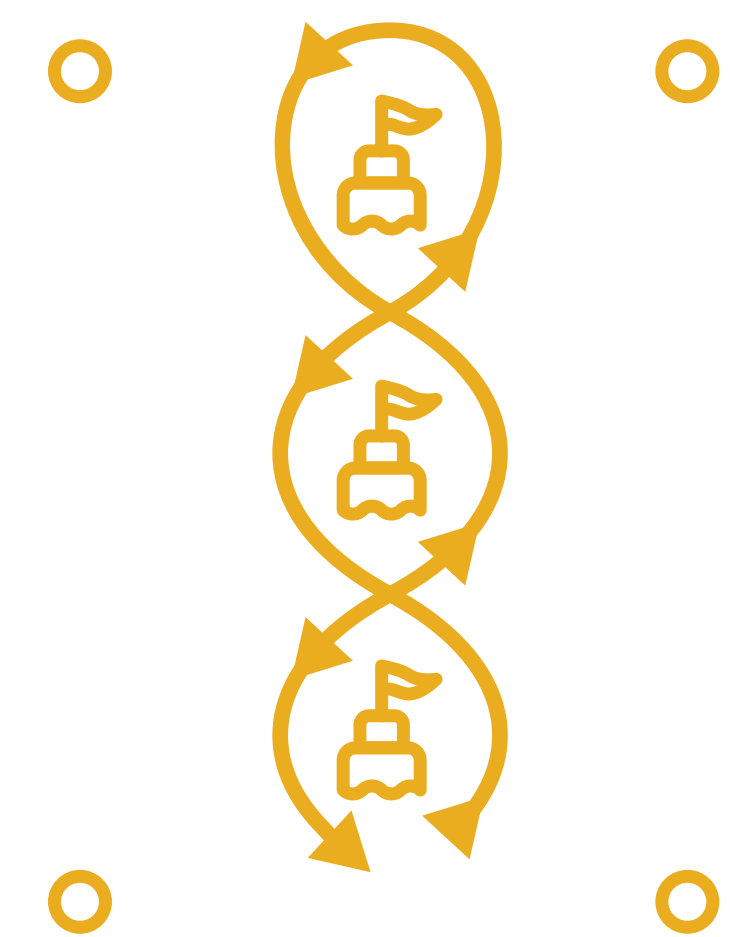
The Inland Solar Challenge's races are designed to test the capabilities of each team's boat in three categories of performance.



SPRINT



ENDURANCE



SLALOM

### REPORTS



Each team must complete the following reports based on the construction of their boats:

- Electrical & Solar Array
- Drive Train & Steering

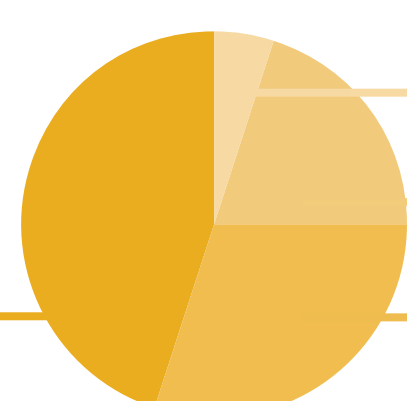
### PUBLIC SERVICE ANNOUNCEMENT



In addition to the races, teams must develop and present a PSA on a given topic related to water resources.

SCORING: 1,000  
TOTAL POINTS

Races: 450 points



Technical Reports: 200 points

Technical Inspections: 50 points

Public Service Announcement: 300 points

PRIZES:

