SOLAR CAR CHALLENGE
2024 Mission Statement

The Solar Car Challenge & Education Program is designed to help motivate students in Science, Engineering, and Alternative Energy. We teach high school students how to plan, design, engineer, build, race, and evaluate roadworthy solar cars. Students demonstrate that green technology can create a better world.

Detailed Mission

The Solar Car Challenge has 261 on-going high school solar car projects located in 39 states, Canada, Mexico, Puerto Rico, Costa Rica, and the Bahamas. These teams are in the process of designing, engineering, and building roadworthy solar cars in anticipation of an upcoming solar racing event. The Challenge's *Education Program* provides support for schools seeking to be a part of this top project-based STEM Initiative.

The Solar Car Challenge's Education Program has worked effectively for the last twenty-six national events. More than 70,000 students have directly benefited from this program. Hundreds of new schools are seeking admission to the Solar Car Challenge Education Program. We will implement an event "qualifier" in 2024 to make it possible for more schools to take part.

The Solar Car Challenge Foundation will also develop a National Summer Education Program for both teachers and students. This will be implemented through a two year pilot project designed to encourage participation in the program, and to support participating schools with education materials, summer education camps, on-site visits, a mentorship program, and online learning opportunities. We will reach out to new schools to either enter or observe the program in anticipation of the *2024 Closed Trace Race* at the Texas Motor Speedway, Fort Worth, Texas.

The Solar Car Challenge Foundation will translate its hands-on national education workshops into virtual learning experiences, including webinars, special lecture series, and ZOOM conferences.

This model will be sharpened and focused over two twelve-month education cycles, and finalized in 2024 as our formal growth model.