

SOLAR CAR CHALLENGE

2020 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 for 2019-2020

The Solar Car Challenge has 211 on-going high school solar car projects located in 38 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 60,000 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 2020 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, and on-site visits. We will reach out to new schools to either enter or observe the program in anticipation of the *2020 Closed-Track Race* at the Texas Motor Speedway.

This model will be sharpened and focused over two twelve-month education cycles, and finalized in 2020 as our formal growth model.
