The Formula Sun Grand Prix (FSGP) and the American Solar Challenge (ASC) are collegiate student design competitions to design, build, test, and then drive a solar-powered vehicle. Teams from the US, Canada, and around the world participate in this multi-disciplined, experiential learning opportunity.

The first challenge teams face is scrutineering, a series of detailed inspections which must be passed to participate in the FSGP track event. Teams must demonstrate their solar car’s roadworthiness during the FSGP event to qualify for the ASC road rally style event.

Commemorating the Santa Fe Trail Bicentennial in 2021!

The solar cars will generally travel on US highways and State roads, making stops at checkpoints (nominally 45-minutes) and stage points (overnight stops) along the route. Additional optional loops will allow teams the opportunity to complete even more mileage and demonstrate the capabilities of their solar vehicles.