

# SOLAR CARS TAKING ON THE OREGON TRAIL

The Formula Sun Grand Prix (FSGP) and the American Solar Challenge (ASC) are collegiate-level student design competitions to design, build, test, and then drive a solar-powered vehicle, providing a multi-disciplined, experiential learning opportunity. FSGP is a road-course track event; ASC is a road rally style event. Teams must pass scrutineering and qualify at FSGP to be allowed in ASC.



Organized by  
**Innovators  
Educational  
Foundation**



# 2022



**16** days of solar car events!



Scrutineering				Formula Sun Grand Prix			Display Day
Fri, July 1	Sat, July 2	Sun, July 3	Mon, July 4	Tue, July 5 10am-6pm	Wed, July 6 9am-5pm	Thu, July 7 9am-5pm	Fri, July 8 12pm-7pm
Scrutineering is a series of inspections (mechanical, electrical, etc) that each solar car must pass before being allowed onto the track. In addition to static inspections, the solar cars and drivers must also pass a series of dynamic tests (u-turn, figure-8, braking, and slalom). Scrutineering will be held at Heartland Motorsports Park in Topeka, KS.				Teams that pass scrutineering will then compete in the Formula Sun Grand Prix, which will be held on Heartland Motorsports Park's 2.5 mile road course track. FSGP features 3 8-hour driving days to complete laps and serves as the qualifier for ASC.			Public display in Independence, MO on Independence Square

## American Solar Challenge

Sat, July 9	Sun, July 10	Mon, July 11	Tue, July 12	Wed, July 13	Thu, July 14	Fri, July 15	Sat, July 16
<b>Start</b> Independence Square (Independence, MO)	<b>Stage Stop</b> Stuhr Museum of the Prairie Pioneer (Grand Island, NE)	<b>Stage Start</b> Stuhr Museum of the Prairie Pioneer (Grand Island, NE)	<b>Checkpoint (cont...)</b> Scotts Bluff National Monument (Gering, NE)	<b>Checkpoint (cont...)</b> National Historic Trails Interpretive Center (Casper, WY)	<b>Stage Start</b> Fremont County Pioneer Museum (Lander, WY)	<b>Checkpoint (cont...)</b> The National Oregon/California Trail Center (Montpelier, ID)	<b>Stage Start</b> Historic Downtown Pocatello (Pocatello, ID)
<b>Checkpoint</b> Brown v Board of Education NHS (Topeka, KS)		<b>Checkpoint</b> Scotts Bluff National Monument (Gering, NE) <i>Faster teams may reach Casper, WY ckpt</i>	<b>Checkpoint</b> National Historic Trails Interpretive Center (Casper, WY)	<b>Stage Stop</b> Fremont County Pioneer Museum (Lander, WY)	<b>Checkpoint</b> The National Oregon/California Trail Center (Montpelier, ID)	<b>Stage Stop</b> Historic Downtown Pocatello (Pocatello, ID)	<b>Finish</b> Herrett Center for Arts & Science (Twin Falls, ID)

The American Solar Challenge, in partnership with the National Park Service, is a road rally style event that will travel the Oregon National Historic Trail in 2022. Starting from Independence, MO, the solar cars will make their westward journey over 8 days, finishing in Twin Falls, ID. The 2022 event will follow a distance-based format with optional challenge loops available in select locations to complete even more mileage and demonstrate the capabilities of the solar powered vehicles.

