

Junior Solar Sprint ~ Best Design Judging Sheet for

In-Person Events



Awards will be given for the **Best Design** based on the following categories:

- Chassis:** How well constructed is the frame? Were good design decisions used to improve the chassis over a plain flat sheet?
- Wheels / Axles:** How well are the wheels, axles, bearings/bushings designed, built and mounted? Are the axles parallel so that the car will run straight?
- Transmission:** How well mounted is the motor? Does the transmission (gears, belt, etc.) effectively transmit power to the wheels?
- Solar Array:** How well oriented is the solar panel for light reception? Does the car use a design to improve the way the solar panel is positioned, attached, or collecting sunlight?
- Craftsmanship:** How well constructed is the car overall? Was care taken in the way the car was constructed?
- Web Page:** Does the contents of the team web page document the design, building and engineering process in a way that the viewer can see how the vehicle works and see the special features the team incorporated?
- Page Requirements:** Does the web page contain: A minimum of 6 car photos? A project log? A minimum of 2 drawings of the car including measurements? Finished car specifications? A minimum of 3 test results? A video describing the car?

Please be consistent in awarding points as follows:

0 1 2 3 4 5 6 7 8 9 10
 Poor.....Fair.....Good.....Impressive.....Excellent!

_____ Judge

School / Car Name	Chasis	Wheels Axles	Transmission	Solar Array	Crafts-manship	Web Page	Page Requirements	Total
Comments:								
Comments:								
Comments:								