



Sullivan Solar Power
Leading the Solar Energy Revolution

Junior Solar Sprint Model Solar Electric Car Race



What , When, Where

- 20 Meter Model Solar Car Drag Race
- Saturday, May 8th 2010
- San Diego Electrical Training Center
4675 Viewridge Avenue
San Diego, CA 92123



What do Students Learn?

Inquiry

Problem Solving

Teamwork

Craftsmanship

Measurement

Sportsmanship

Engineering Design

Electric Circuits

Photovoltaic cells

Force and Motion

Carbon cycle

Simple Machines

Gear Ratios

Solar Energy



JSS: The Basics



- Two Specified Parts: Solar Panel & Motor
- The Rest of the Design is *Your* Choice



JSS: Finding Parts

- Official Solar Panels and Motors are available from Pitsco and Solar World



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* \$15.00 Subsidy Contribution for the 1st 100 car kits purchased through SDRES

JSS: Rules and Specifications

- Follows Official Rules from NREL
- Specified Solar Panels and Motors
- Size of Vehicles
- Race Track
- Conduct of the Race

JSS: Design Categories

(It's not just the fastest car that wins)

- Innovation
- Craftsmanship
- Technical Merit
 - Wheels and Guidance Systems
 - Power Train
 - Solar Collection

RESOURCES:

1. *Complete Race rules*
2. *Teacher Guide*
3. *Student Guide*
4. *Mentoring*



Things to Think About:

- Ø Where will JSS fit into your curriculum?
- Ø What will your kids need to learn more about?
- Ø What are your ideas for resources, units and tips for teaching the different aspects of JSS?
- Ø What inquiries might your students engage in?
- Ø What will you personally need or want to learn more about?



Enter Design and Race Events Have Fun !





➤ Contact Information

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