

Design Review

Objective

Students will conduct a review of their designs for their solar-powered car and be able to justify design choices made.

Materials

Solar model car design sketches from each group

Procedure

1. Ask which working group of students wants to volunteer to be the first to present its design for a solar model car to the class. Spokespersons for the group should present their sketch and explain the choices they made for each of the car's components. Encourage students to ask questions of the group as they present.
2. Repeat the procedure for each of the remaining groups.
3. Conclude with a class discussion based on these questions:
 - What design factors did you take into consideration when planning your solar car?
 - What factors will affect the performance of your solar car when you race it?
 - How fast do you think your solar car will go? How would you test this?
 - What questions do you have that need to be addressed as you move forward with the construction of your cars?