

Race to Fight Hunger: The Pinewood Derby Engineering Design Process Worksheet

Write your problem in a few sentences:

Record three sources. Source can be a URL domain.

Name:	Name:	Name:
Source:	Source:	Source:
Sketch:	Sketch:	Sketch:

Draw four ideas and use labels.

4. Choose the Best Solution

Which solution number did you choose: _____

Explain why: _____

Categories	Facts/Reasons	Sketch	URL
Body of the car			
Wheels and Alignment			
Exterior Design			

CHECK POINT: When you get to this part of the process, you must submit this worksheet to Mrs. Roach to receive your derby kit and begin construction.

5. Create a Prototype

List any changes you made to your design as you build:

6. Test and Evaluate

Was your design successful? _____

Explain why: _____

7. Communicate

Write a paragraph summary about your group and project.

8. Redesign

In a paragraph, how would you change your design?:

Draw an example:

[illegible]