

# Models and Design Merit

1. Define the word *model* as it relates to cars, trains, planes, or buildings.

A model is \_\_\_\_\_  
\_\_\_\_\_

2. Give an example describing the history of model making in ancient times.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. Explain why professionals use models in their work.

\_\_\_\_\_  
\_\_\_\_\_

4. Cite some examples of how models are used in nonbusiness ways.

\_\_\_\_\_  
\_\_\_\_\_

5. Choose ONE of the following:

- a. Build a model from a kit appropriate for your skill level.
- b. Build a model from scratch.
- c. Build a Pinewood Derby car.

**Note: You cannot use the same model or Pinewood car used to complete a requirement of the Hobby Merit.**

I chose option \_\_\_\_\_.

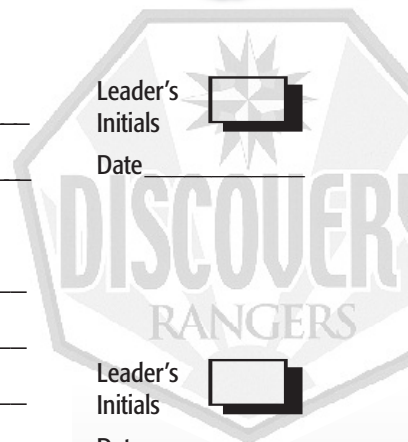
6. As you build your model, keep notes on the following things and then demonstrate them.

a. Proper planning method

Insert a sketch of your design on a separate sheet of paper into your notebook.

Paint color(s): \_\_\_\_\_

Details: \_\_\_\_\_  
\_\_\_\_\_



Leader's Initials   
Date \_\_\_\_\_

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b. Appropriate choice of materials

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c. Proper and safe use of tools

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d. Appropriate choice and proper use of adhesives, paints, and finishes

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e. Proper cleanup and storage of all materials and tools

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Initials

Date \_\_\_\_\_

7. After completing Requirement 5, do ONE of the following:

a. Create a method for displaying your model.

I displayed my model by \_\_\_\_\_  
\_\_\_\_\_

b. Run the Pinewood Derby car in a race.

I ran my model in a race on (date) \_\_\_\_\_  
Results of race: \_\_\_\_\_

Leader's  
Initials

Date \_\_\_\_\_