



# Model Building

Hobbies Branch – Elective Objective

## Purpose

These are a few examples of elective Hobby Objectives with a few questions to answer. The intent of this branch is to explore the activities and hobbies of interest to your Trailmen and to expose them to new hobbies. The specific lesson and questions to answer can vary greatly to what is relevant to your troop. Here are general guidance questions that you may find helpful.

1. What is the history/origin of the hobby?
2. What special skills are needed for the hobby?
3. What equipment is required for the hobby?
4. What resources such as time, money, and materials are needed for the hobby?
5. What separates professionals from amateurs in this hobby?
6. What is the purpose of the hobby? (entertainment, relaxation, competition, etc)




## Notes to the Trail Guide

//

1. The goal is not for the boys to be experts at these topics, but to gain an increased knowledge and awareness of the Objective.
2. Make it relative to your patrol.
3. Because the Hobbies branch is a bit unique in that it is nearly entirely elective, you may choose to repeat the same hobbies and build progressively from Fox to Hawk and from Hawk to Mountain Lion, OR you may decide to choose different hobbies for each level that best matches their interests.
4. See the Leaders Guide for more information on Objectives.

//

## Skills Progression

	<ol style="list-style-type: none"><li>1. Safety Considerations (knives, scissors, glue, paint)</li><li>2. Select an easy model of 50 pieces or less</li><li>3. Learn to follow assembly instructions</li><li>4. Use snap together type models</li></ol>
	<ol style="list-style-type: none"><li>1. Select a model of 50-100 pieces</li><li>2. Glue together type models</li><li>3. Learn about painting techniques</li><li>4. Learn to apply decals</li></ol>
	<ol style="list-style-type: none"><li>1. Select a model of over 100 pieces</li><li>2. Learn about advanced model components like sails and rigging.</li><li>3. Learn about airbrushing</li></ol>

# Helps

- I. What is the history/origin of the hobby?
  - a. **Goal:** To learn about some history of model building as a hobby.
  - b. **Lesson:** Scale models were used to simulate actual machines and vehicles in miniature for commercial and industrial purposes prior to becoming popular as a hobby.
  - c. **Examples:**
    - i. Plastic model cars were originally produced for car dealers to use as sales displays. Extra unassembled kits were then sold to enthusiast creating a new market for the model kits.
  
2. What special skills are needed for the hobby?
  - a. **Goal:** To learn about various practices of model building and the skills associated.
  - b. **Lesson:** As the modeler gains in skill and experience his models will more closely resemble the actual subject.
  - c. **Examples**
    - i. Assembly & Gluing
    - ii. Brush Painting
    - iii. Airbrushing
    - iv. Decal Application
    - v. Sail Rigging
  
3. What equipment is required for the hobby?
  - a. **Goal:** To gain exposure to the basic types of model building gear.
  - b. **Lesson:** There are certain tools that are used for various types of models.
  - c. **Examples:** (focusing on plastic models)
    - i. Utility precision knife (x-acto knife)
    - ii. Cutting mat
    - iii. Good lighting
    - iv. Assembly/Painting stands
    - v. Paint Brushes, Airbrush
    - vi. Assembly Instructions
    - vii. Sandpaper or file



4. What resources such as time, money, and materials are needed for the hobby?
- a. **Goal:** To understand the costs and materials associated with model building.
  - b. **Lesson:** Models vary in size, complexity, completion time, and cost. Beginner plastic models can be completed for a few dollars in a few hours. Large complex models could be several thousand dollars and years to complete.
  - c. **Examples:**
    - i. Time – Learning & practicing techniques, waiting for glue or paint on individual pieces to dry. More pieces, more detail, more time required.
    - ii. Patience – Taking your time and not rushing through the model or skipping steps will produce the most realistic best looking model.
    - iii. Materials Needed:
      1. Glue
      2. Paint
      3. Model Kit
      4. Decals
      5. Paint Thinner
      6. Cleaning Supplies
5. What separates professionals from amateurs in this hobby?
- a. **Goal:** To learn about professional model builders and why they get paid to make models.
  - b. **Lesson:** Professional modelers create small scale examples because models are cheaper to produce, test, modify, and potentially destroy than the actual subject.
  - c. **Examples:**
    - i. Promotional Displays
    - ii. Conceptual Designs
    - iii. Model aircraft used for aerodynamics testing.
    - iv. Model boats used to test stability and load capacity.
6. What is the purpose of the hobby??
- a. **Goal:** To understand that people build models as a hobby for different reasons.
  - b. **Lesson:** Model building as a hobby can be for relaxation, collection, or competition.

## Activity Ideas

- Have a patrol model car show.
- Put together a model as a patrol.
- Visit a hobby shop.
- Visit with a model train club or enthusiast.

## Game Ideas

- Blindfold Assembly (snap together models)
- Timed Assembly Race
- Assembly Relay Race (each boy completes a step then passes the model)

## Scripture

### Luke 14:28

- Fox – It is important to plan ahead.
- Hawk – You must have enough money and time do something.
- Mt Lion – We must prepare properly and plan before starting anything.

### I Corinthians 11:1

- Fox – Be like Jesus.
- Hawk – We are to model Christ's behaviors.
- Mt Lion – Just as models are not exactly perfect replicas, we will never be perfect as Jesus was but strive to be the best we can.

*Copyright © 2017 by Trail Life USA. All rights reserved.*