



Pathfinder's Name

Airplane Modeling

- 1. Build and successfully fly an airplane from a kit made of balsa wood and tissue paper, and rubberband or gas powered.
- 2. Build a balsa wood glider from a kit and observe its flying characteristics as related to the variable positions of the wings.
- 3. Make and successfully fly two different styles of airplanes using sheets of paper between eight (20.3 cm) and fourteen (35.6 cm) inches in width and length.

Styles: 1. _____ 2. _____

- 4. Define, locate, and explain the usage of the following basic items:
(Complete chart)
 - a. Fuselage
 - b. Wing
 - c. Airelon
 - d. Rudder
 - e. Horizontal stabilizer
 - f. Strut
 - g. Cockpit
 - h. Engine
 - i. Landing gear
 - j. Propeller

Date completed _____

Instructor's Signature _____

Airplane Modeling Chart

Define, locate and explain the usage of the following

| PART | DEFINITION | LOCATED (Y/N) | USAGE |
|-----------------------|-------------------|--------------------------|--------------|
| Fuselage | | | |
| Wing | | | |
| Airelon | | | |
| Rudder | | | |
| Horizontal Stabilizer | | | |
| Strut | | | |
| Cockpit | | | |
| Engine | | | |
| Landing Gear | | | |
| Propeller | | | |