

Model Airplanes

(3-week course)

Unit 1 focuses on Balsa Gliders; requires 5-1/2 to 8-1/2 class periods.

Unit 2 focuses on Rubber Band-Powered Planes; requires 7-1/2 to 12-1/2 class periods.

Note: The two units together require 13 to 21 class periods.

Unit 1 – Balsa Gliders

Teacher

Students

1 Class

Pretests from *GS Guide* (optional)

- Photocopy the assessments from page 87 of the *Balsa Gliders GS Guide* and page 104 of the *Model Airplanes GS Guide*. Distribute to students.
- Take assessments.

Reading Assignment from *Model Gliders*

- Assign students to read pages 3-11 and 14-17 of the *Model Gliders* book.
- Read pages 3-11 and 14-17 of the *Model Gliders* book.
- Lead a discussion about the information.
- Discuss the information in class.

Teacher

Students

1/2 Class

Basic Construction Instructions from *Dr. Zoon Gliders Video*

- Have class watch the *Dr. Zoon Gliders Video*.
- Watch the *Dr. Zoon Gliders Video*.

Teacher

Students

1 to 2 Classes

- Read the Teacher and Student Procedures from Investigating How Size Affects Flight (pages 17-22).
- Gather all materials necessary before the class period.
- Photocopy the Student Procedure and distribute to each student.
- Have students follow directions in the Student Procedure and complete the activity.
- Follow the instructions to complete the activity.