

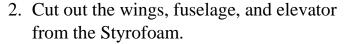


Styrofoam Glider Student Sheet.

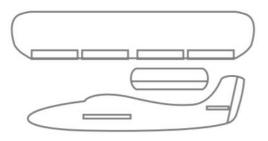
- 1. Receive materials.
 - Styrofoam food tray
 - glider template
 - plastic knife
 - sand paper

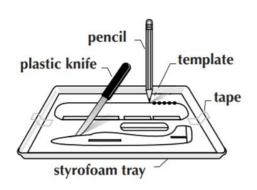
There are items to share:

- binder clips
- paper clips
- clay



- Cut out the parts carefully using a plastic knife.
- Don't forget the 2 slits in the fuselage.
- Another way to cut out the parts is by punching a series of holes approximately 2 mm apart around the outside edge of each piece and then pushing the piece out. A sharp pencil or can be used to punch the holes.
- 3. Use sandpaper to sand the edges smooth.
- 4. Assemble the glider by inserting the wings and elevator into the fuselage slots. Write your name somewhere on your glider.











When testing your gliders, make sure not to throw gliders toward other students.

- 1. The glider's weight must be balanced before it will fly. Test your glider before adding weight and balance.
- 2. Add weight to the model using paper clips, binder clips, or clay.
- Attach the paper clip or clay to the nose of the glider. If a binder clip is used, attach it to the bottom of the fuselage. Test fly the glider and observe the flight characteristics.
- Does more than one clip make an effect?
- 3. Move the weight forward or backward on the fuselage to determine the best weight and balance for the glider. The best weight and balance combination can be defined as one that allows the glider to fly the greatest distance.



