

Name: \_\_\_\_\_ Date: \_\_\_\_\_ Class: \_\_\_\_\_

## Draft and Materials Handout

Team name/team members: \_\_\_\_\_

**Task:** Provide a draft of the glider model design as well as a list of necessary materials and equipment.

**Instructions:**

- One submission per team.
- Provide either a printed CAD or hand-drawn sketch of your glider design. Make sure the design includes all measurements and angles so that anyone could build the glider to your specifications.
- Provide a complete materials list for everything needed to fabricate the glider. Include enough detail—including cost!—so that anyone could obtain the necessary supplies to fabricate the glider to your specifications.
  - ✓ Use only commonly available materials. Remember, budget is one project constraint and you will be constructing the glider.
  - ✓ Be sure to include measurements of any building materials so you have enough supplies to fabricate your design without wasting your budget with too much.
  - ✓ Use common online sources (such as Amazon.com) or local stores (such as Five Below or other discount stores) to price your materials; ignore shipping costs when quoting these prices.
  - ✓ Apply a 50% discount for any materials you have on hand.
  - ✓ You may apply any employee discount you qualify for due to afterschool or weekend jobs and stores where materials are purchased.
  - ✓ Be sure to clearly indicate the total cost for all materials.  
**The total must be \$30 or less for all purchases!**
- An Excel spreadsheet materials list template is available upon request.

_____/30 points
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