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

Inquiry and Engineering: Gliders Activity—Draft and Materials Handout