Student Handout: Team Instructions

Instructions: Read all these instructions before beginning! You have **1 hour** for the *Design* and *Build* phases. Spend as much time as you would like in the *Design* phase, but leave yourself enough time to build.

- ## *Design*
    - Your team will be provided with a Design Specification document, Scoring Sheet, paper, and a box of materials.

    - Your team must review the Design Specification document and create a prototype sketch (a drawing of your design idea).

    - Once your prototype sketch is finished, have a facilitator sign off on the sketch to approve it. Your team may then begin to build your prototype using the materials in your box.

    - Note that you can chose not to meet all of the design requirements as it may become necessary to make tradeoffs in your design.

    - Your prototype can evolve during construction. The final prototype does not have to match the sketch.

    - Come up with a team name and logo and draw it on the supplied paper.

- ## *Build*
    - You may construct your prototype with the materials inside and attached to your box. You may not use the box or the lid.

    - Limited quantities of additional materials are available from the Exchange. You may request additional materials by negotiating with the supplier.

    - A scale is provided at the front of the room. Use it as needed to check weight.

    - A box is provided at the front of the room to check that the size of your container does not exceed the size limit.

    - Empty payload boxes are available to verify that the payload will fit inside your container.

    - Be prepared to give a 1 minute pitch (brief presentation) about your idea to the class.

    - You must stop building once the *Build* phase has ended. Bring your prototype to the table at the front of the room.

- *Test*
  - You will have 1 minute to present your container in a pitch to the class.

  - You will then have 30 seconds to load the payload into your container. Exceeding this time will result in points lost.

  - Your instructor will perform the drop test and analyze results.

  - Final scores will be announced after all drop tests are complete.