## **OPERATION DROP-IN-AID**

**Type of Competition:** Team

**Composition of Team:** 2 or 3 persons per team

**Overview:** To design and build a device to safely drop and deliver “emergency supplies” from a designated “drop point” to a flooded plain.



**Materials:**

* 2 sheets of paper
* 1 paper towel
* 1 styrofoam/paper plate
* 1 baggie
* 1 box of paper clips
* 3 ft lightweight String
* Small weight (e.g. styrofoam cup containing a few marbles, unbreakable toy)

The following classroom materials may be used: scissors, rulers, tape,

**Constraints:**

1. Only the materials provided can be used
2. Device cannot be thrown or tossed: it must be dropped (user elevates device to desired location and height off the ground, and lets it go)
3. Device cannot be tethered to anything (ground, wall, etc).
4. User cannot assist the device in any way after it is dropped
5. Materials must land and remain within the drop zone to count as a safe delivery

**Assessment/Evaluation:**

Package that is safely delivered closest to the center of the drop zone will be considered the best device.