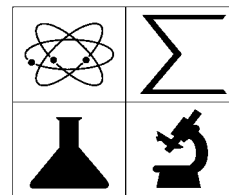


# MESA DAY CONTEST RULES



## Build A Barge



- LEVEL:** Middle/Junior High School
- TYPE OF CONTEST:** Individual/Team
- COMPOSITION OF TEAMS:** 1 - 2 students per team
- NUMBER OF TEAMS:** 3 teams per Center
- SPONSOR:** Louie Lopez, Academic Coordinator, CSU Fullerton MSP Center
- OVERVIEW:** To design and construct a barge which will hold the most pennies without sinking or taking on water.
- MATERIALS:** The following will be provided by the Host Center:
- Three (3) regular drinking straws
  - One 10 cm by 10 cm aluminum foil
  - One piece of masking tape (30 cm)
  - Scissors
  - Pennies
  - Tub of water
  - Stop watch
- RULES:**
- 1) Each team will have 15 minutes to build their barge. Any modifications made after the allowed time will result in disqualification.
  - 2) Only the above listed materials are allowed.
  - 3) Straws and/or aluminum foil may be cut with scissors provided.
  - 4) Upon completion of building their barge, each team will be called upon to test their barge. The team will place their barge on the water, then place pennies on their barge.
  - 5) Each team will have 90 seconds to place pennies on their barge. When time is called, no more pennies are to be placed on the barge or disqualification will result.
  - 6) At any time during the 1-minute period of placing pennies on their barge, any team may stop and declare, "FINISH!" At that time a judge will confirm the number of pennies.

- 7) If the barge leaks or the load takes on water (i.e. the pennies on the barge take on water) or the pennies become wet in any way before “FINISH!” is declared, the team will be disqualified. Any part of the barge can take on water except for the load (pennies).
- 8) At the end of the 90 seconds or when “FINISH!” is declared, the barge will be retrieved from the water and the judge(s) will confirm the penny count.
- 9) Water entering the barge as it is being retrieved, and/or pennies getting wet after “FINISH!” is declared will not result in disqualification.

**JUDGING:**

- 1) All entries will be judged only once. Once pennies have been counted or the barge has been disqualified, teams may not try again.
- 2) The team with the barge that holds the most pennies is the winner.
- 3) Ties will be allowed.

**AWARDS:** Awards are given for 1<sup>st</sup>, 2<sup>nd</sup>, and 3<sup>rd</sup> place.

**ATTACHMENTS:** none