



## BB Coaster Design Challenge – Judging Instructions

Your job will be to walk around and look authoritative, address materials problems, and give **no** advice!

You CAN:

- ◆ Make sure the team has filled in everything required on their Team Information and Documentation Form.
- ◆ Make sure it is all legible.

When final testing begins, only the judges will be allowed to do the testing.

If any team is missing supplies, let challenge coordinator know immediately; otherwise, no additional items may be distributed.

The timetable for this event is as follows: (times are approximate and may change)

- |            |   |
|------------|---|
| 15 minutes | Teams move into Team Design Challenge area and instructions are given. Students may not read instructions or touch supplies until instructed to do so.          |
| 45 minutes | The announcement is made for teams to begin. They have 45 minutes in total to complete the design, building and testing phases.                                 |
| 30 minutes | Judging begins. <b>ALL TEAMS ARE REQUIRED TO MOVE AWAY FROM THE PROJECTS.</b> No additional work or testing can be done after the announcement is made to stop. |

**JUDGES:** Two judges will work together. One of the judges on each team will need to have a timing device. You will move to the table where the team constructed their BB-coaster.

**ONCE JUDGING BEGINS, THE STRUCTURE MAY NOT BE TOUCHED BY THE TEAM OR JUDGES.**

Have the students make three test runs of their coaster. For each run, record the time for the run, and mark whether the BB made it to the end of the coaster and if the BB stayed in the cup. **If the BB did not complete the run, testing is complete for the team and no time is recorded.**

Do not take any measurements until after all three test runs have taken place or the BB gets stuck in the track. This will ensure that you do not damage the BB-coasters. Use a piece of string to measure the length of the coaster and then compare that to a measuring tape or yardstick. Please do your best to measure as accurately as possible.

After all the projects have been tested, we will collect the forms from each judge.

Thank you for helping!!