Lego Drop

Western Region Space Grant Meeting,
Boulder, Colorado
October 9 – 11, 2014
Effective ways to recruit students
- Food
- Cool speakers
- Tours
- Other
Lego Drop:

We use these in Colorado but we use another one we want to share

It uses…
Lego Drop:

The following slides are the very ones used for our college recruitment
Team Activity

Class #06

Colorado Space Grant Consortium
Team Activity:

- Teamwork can make or break a project
- Many problems with teams can be attributed to those initial moments together
- Having fun together is a great way to get to know each other
- This activity will set each team off in a good direction
- Team Design Competition

- Requires, quick thinking, quick design and fun

- Each team must bring a working 60 watt light bulb
You and your team are in a 15 meter orbit around Pluto. A group of astronauts are on the surface conducting life sciences research. Included in this group is JJ Abrams.

An engineering defect in the habitat has been discovered. All life support systems are wired in series with a passage way light bulb, similar to a string of Christmas lights. Unless they receive a new, working light bulb in the next 30 minutes, they will all die a horrible death (and Star Wars, Episode VII will never be completed).

Your mission is clear. You and your team must get the astronauts that light bulb. At your disposal, as many legos as you could need and one light bulb wrapped in aluminum foil. However, due to risk of the impact damaging the habitat, you asked to use as few legos as possible.
Craft that weighs the least and successfully lands a working light bulb is the winner

Bulb will be wrapped in a 1’ x 1’ piece of aluminum foil by your instructor and should not be altered

ABSOLUTELY NO PUTTING LEGO's IN YOUR MOUTH.

Light bulb must not break and must work after landing.

Please have your craft ready in 30 minutes for registration and weigh in.

First team to turn in will receive a 15 gram reduction, 2\textsuperscript{nd} a 10 gram reduction, 3\textsuperscript{rd} 5 grams

Team not completed after time is called will not be permitted to drop

Return to room after all drops, bulb tested there

Everyone must help clean up.
**Things to Think About:**

- Work effectively as a team
- Don’t be still building when there is only 2 minutes left
- Prizes for first and second place
- Allow time for check-in
- Bring team sheet filled out with design
- Pictures will be taken too
Things to Think About:

- I test and wrap bulbs in front of you

- You cannot unwrap bulbs until after drop

- Only function of foil is for glass containment

- Can only use Legos in bucket

- Don’t drop until I say “3, 2, 1, Drop”

- Design left at front of room once turned in

- Bring you bucket with you to drop

- One team member drops and everyone else picks up
Things to talk about while you work:

- What’s your name? (Tell them your name here)
- Hold old are you? (Tell them by using your fingers)
- Who is your favorite character on South Park?
- Do you like school?
- Can you ride a bike?
- Tell them you think Star Wars was cool.
- Want to see my room?
- X-BOX vs. PS3?
- Can you do this? (Show them something you can do)
- Do you play with Legos?
- How much time is left?
Questions?

Colorado Space Grant Consortium
22 minute:

Time Left
And the Winners

ARE?