



## AEROSPACE ENGINEERING | SPACE LANDER

### Description

SKILL LEVEL: BEGINNER

**In this craft, you will be working together as a team to successfully dock a “spaceship”!** This activity will work great when done either in larger groups or as a class.

**How does it work?** In groups of 4 or 8, students will hold ropes attached to a “spaceship” in order to land it on a docking platform. However, there will be a ball balanced on top of the spaceship, so everyone must work together to keep the ship level. This activity requires lots of teamwork, just like aerospace engineering teams would need to use to land a real rocket!



### Materials Needed

- 3 inch PVC pipe spaceship with ropes attached
- 4 inch PVC pipe docking platform
- Medium-sized rubber ball



### Directions

1. Have everyone in the team hold a rope
2. Place the ball on top of the spaceship
3. Try to land it on the docking platform!



# Photo Examples

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If you want to make the activity harder, then try using a bigger ball!

