

## EGG SHIPS BRIEF FOR FACILITATORS

<b>Key Themes</b>	<b>Communication, Teamwork, Planning, Time Management, Creative Thinking</b>
<b>Participants</b>	<b>Unlimited – groups of 4-6 work best</b>
<b>Timings</b>	<b>30 minutes for design and build, launch, debrief</b>
<b>Materials Required</b>	<b>Each team requires one raw egg (hardboiled if outdoor space is not available), a roll of sticky tape, 20 drinking straws, 6 balloons and a permanent marker pen.</b>

### Overview

This activity is aimed at getting teams to work together create a “space ship” that will successfully carry its cargo (a raw egg) the furthest distance without damaging the cargo.

### Running the activity

- This exercise works best in teams of 4-6 so divide up the groups and allocate the resources to each group. Brief the teams by explaining that they represent companies that produce spaceship. These companies will be competing for a lucrative contract to construct a particular type of spaceship for the next decade.
- You have the task of designing, constructing and evaluating (launching) a spaceship suitable for the transportation of raw eggs. At the end of construction phase (30 minutes) there will be an evaluation each consisting of a test flight. Should the eggs break during the test flight the company will be sued for damages. The teams are responsible for naming their spaceships (hence the marker pen)
- Depending on the venue, the facilitator has two choices for the “launch”. This could be from a height eg stairs/balcony or distance. Advise the group of the launch you have decided and start the time.
- When the time is up, take the teams the launch site and ask for one nominated launcher (thrower) from each team. They need to step up to the launch site, share the name of their spaceship and throw/drop their egg ship. The winning team will be the one who throws their egg ship the furthest (without damaging the egg) or drops it from the highest point.

### Suggested Review Questions

- What worked well/what would you do differently?
- How effective was your planning?
- How effectively did you work together as a team?

## EGG SHIPS TEAM BRIEF

- Your team represents a company that designs, builds and flies custom-built spacecraft.
- You will be competing for a lucrative contract to design and construct Egg Ships for the next decade.
- For this exercise you will have 30 minutes to design your Egg Ship.
- On completion of the design and construction your Egg Ship will be evaluated and put through a flight test. Should the egg break during the test flight the company will be sued for damages.
- You may only use the materials provided by the facilitator.
- You need to agree a name for your spacecraft.
- The contract will be awarded to the Egg Ship that travels the furthest without sustaining damage.

Good Luck !!