

# Tool 6: Instruction sheet

## *Top Secret - The mission*

### Background information

#### Task

- In this activity, you need to imagine that you are responsible for the people and environment in your region and you have a very important job to do
- You are in charge of keeping secret some very important information that is contained within a very fragile container
- You must design a method to transport the secret information out of the building and to safety

#### Information

- The only way to save the information is to drop the information out of the window to safety
- BUT remember, the secret information is kept safely in a very fragile container, and...
- ... the container must not break or crack as the information will leak out. If the information leaks out, it will harm the people and environment in your region. Besides that, you will lose all your profit.

#### What you must know

- The container is an egg
- The egg will be dropped from an upstairs window
- The egg cannot crack or break or the secret information will leak out and it will harm the people and environment in your region and you will lose all your profit
- You have some materials to help you:
  - Newspaper
  - String
  - Plastic bags
  - Sellotape
  - Paper clips
  - Paper

### Activity

Here is what you do: DESIGN, DRAW, BUILD, TEST

- As a group you have 15 minutes to develop an idea and design and draw an invention that will dropping the egg from the window onto the ground without breaking the egg. You may only use the resources and materials given to you!  
There are 3 things you must do:
  - Give your invention a name = 5 points
  - Discuss in your group the invention you think will work = 5 points
  - Draw and label a diagram to show your design = 20 points
- Then you have 20 minutes to build a method of dropping the egg safely. You must make your idea colourful and secure so the egg does not break. Build your invention so that the egg will not crack
  - Idea = 10 points
  - Team work = 10 points
  - Construction = 10 points
  - Decoration = 10 points
  - Overall = 10 points
- Then we will test your idea by dropping the egg out of an upstairs window and seeing if it is saved, or if it splats on the floor.
  - Success = 30 points
  - Some success = 10 points
  - Egg is broken = 0 points

Good luck!