**Egg Drop.**

You are required to design and build a lander that will safely deliver a capsule to the surface of an alien planet.

****You have a total budget of £10

**Egg drop cost sheet:**

|  |  |
| --- | --- |
| **Item** | **Cost** |
| Straws | £0.25 each |
| Newspaper | £0.50 per sheet |
| String (50cm) | £1.00  |
| Tape (20cm) | £1.00  |
| Paper cup | £2.00 each |
| Balloons | £2.00 each |
| Bubble wrap | £4.00 per sheet |
| Replacement Egg | £6.00 each |

**Before you begin:**

You must sketch a design and make a list of the equipment you will need and the total cost of your design.

**Possible Challenges:**

-Cheapest successful lander

-Lightest successful lander

-Land on a planet with no atmosphere (parachutes won’t work!)

-Reusable lander

**Adaptations:**

Change cost values to reflect a real-world engineering project. Include values of thousands, hundreds of thousand and millions to reinforce place value.