

Name: \_\_\_\_\_

Knowledge and Understanding	Thinking and Investigating	Communication	Application

### Egg Protector - Egg Drop Challenge

- Carefully read the instructions. Come up with your own design ideas. You can Google "egg protector project" and browse the design ideas. There are many suggestions as to how you could go about building your protector.
- Complete the design planning portion of the project before constructing.

\_\_\_\_\_  
Name of protector

\_\_\_\_\_  
Description of protector

Label the parts to your design and try to figure out how much it will cost to construct:

Straws            10¢ each  
Masking tape    50¢ per 50 cm  
Newspaper       \$1 per page  
Elastic bands    2¢ each  
Cardboard       75¢ per 15 cm x 15 cm  
Paper            50¢ per sheet  
Popsicle sticks  30¢ each  
String            5¢ per metre  
Paper clips      1¢ each

Design:

List of costs:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Your final constructed design we drop must have a total mass of less than 1 kg.

Proposed design