

Name: _____

Egg Drop Challenge

Challenge: Groups of “Engineers” will work together to construct a contraption that will protect an uncooked egg when dropped from a given distance.

Guidelines/Rules:

- Your group will be given a budget of twenty dollars.
- You may only choose supplies from the list below.
- You must track the materials using the Materials Checkbook.
- Before receiving materials, your group must illustrate a picture of a mutually agreed upon design.
- Use the Engineering Design Process handouts to identify the problem, plan solutions, make a model, test the model, and reflect/redesign your contraptions.

Material	Price
Popsicle Stick	\$1.00
Rubber Band	\$1.00
Straw	\$1.00
Balloon	\$3.00
String	\$1.00/ 12 inches
Cotton Balls	\$1.00
Tape	\$1.00/ 12 inches
Paper	\$2/sheet

Materials Checkbook

Material	Price	Quantity	Total Price

Total Price:

Engineering Design Process

Define the Problem

What is the problem that you will have to solve?

Plan Solutions

Using the list of available materials to guide your design, illustrate a model of your egg drop contraption below.

