Drop Zone

- - ★ sticky tape * a stopwatch ★ classmates

TECHNOLOGY

Models can be used to investigate how something will perform. For example, it would be very difficult for you to build and trial a full-size parachute, but you could make a small version to use as a working model. A prototype is a finished version of a design. Prototypes are full-sized and made of the same materials that will be used in mass production.

Activity One

Isaac's class is designing model parachutes.

Each person in Isaac's group works on their own design. Then they get together and test them. For their tests, they drop the parachutes from the same height 3

times and time how long each takes to land. Then they modify their designs and test them again. Here are their best results.

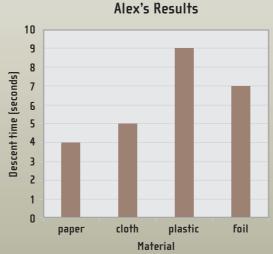
Descent time in seconds				
Student	Design 1	Design 2	Design 3	Design 4
Isaac	3	4	5	2
Meri	4	2	3	5
Alex	4	5	9	7
Amanda	2	3	4	5

★ string

The first parachute I made was 22 centimetres wide. For my next parachutes, I made the width 4 centimetres wider each time.







I made my parachutes from paper, cloth, plastic, and foil.



