

Prototype Evaluation

Build a strong, stable tower

engineering

Words to use

Free-standing · Stable · Prototype · Improvement

The problem

Build the tallest tower you can from only the materials on your table. It must stand on its own and hold the test weight on top.

Our tower plan: sketch it from the side. Label the base, the strong shapes and where the weight will sit

How tall we hope it will be: _____ cm

What we promised it would do

The change links to a weakness the test showed • The tower is still free-standing • The group can name which design choice they changed

How it did against each one

What we promised	What happened

Every tower, tested the same way

Whose tower	Height (cm)	Free-standing?	Held the weight?



Lesson 32

The one thing we changed



How it worked before, and after

