Identify a Need or a Want

What problems might you like to try and solve?

- _____
- _____
- _____

Tick your chosen problem in the circle.

Who will benefit from your invention?

_____

In the space below, create a spider diagram to show all the different ideas you have about how you might solve the problem:

Solutions

Select a Solution

Which was the best solution to your problem?

_____

Explain why:

_____
_____
_____
_____

Conduct Research

What research will you do to support your designing?

- _____
- _____
- _____

Research Findings

Use the space below to record what you have learnt from your research. You may want to stick in pictures and diagrams and draw pencil lines to write on.

Using your Research

Explain how your research will influence your design:

_____

_____

_____

_____

What will you invention need to be able to do? What features must it have? (Design specifications).

- _____
- _____
- _____
- _____
- _____

Time to play with ideas– be as imaginative as you like! Remember to meet the design specifications and purpose of your invention.

Design your Invention

Label your designs with materials and extra information.

Design 1

Design 2

Choose your favourite design to improve and make as your invention.

Final Design for your Invention

What improvements did you make?

_____
_____
_____

What is the best part of your design and why?

_____
_____
_____

How does your invention meet the design specifications?

_____
_____
_____