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2020

and



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

What do you want to learn, develop and get better at through this project?

Come up with 3 targets:

* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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Draw or stick your initial drawn logo design below for your company:

Inventors’ Details

Solutions

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:

Select a Solution

Which was the best solution to your problem?

Explain why:

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What research will you do to support your designing?

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* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
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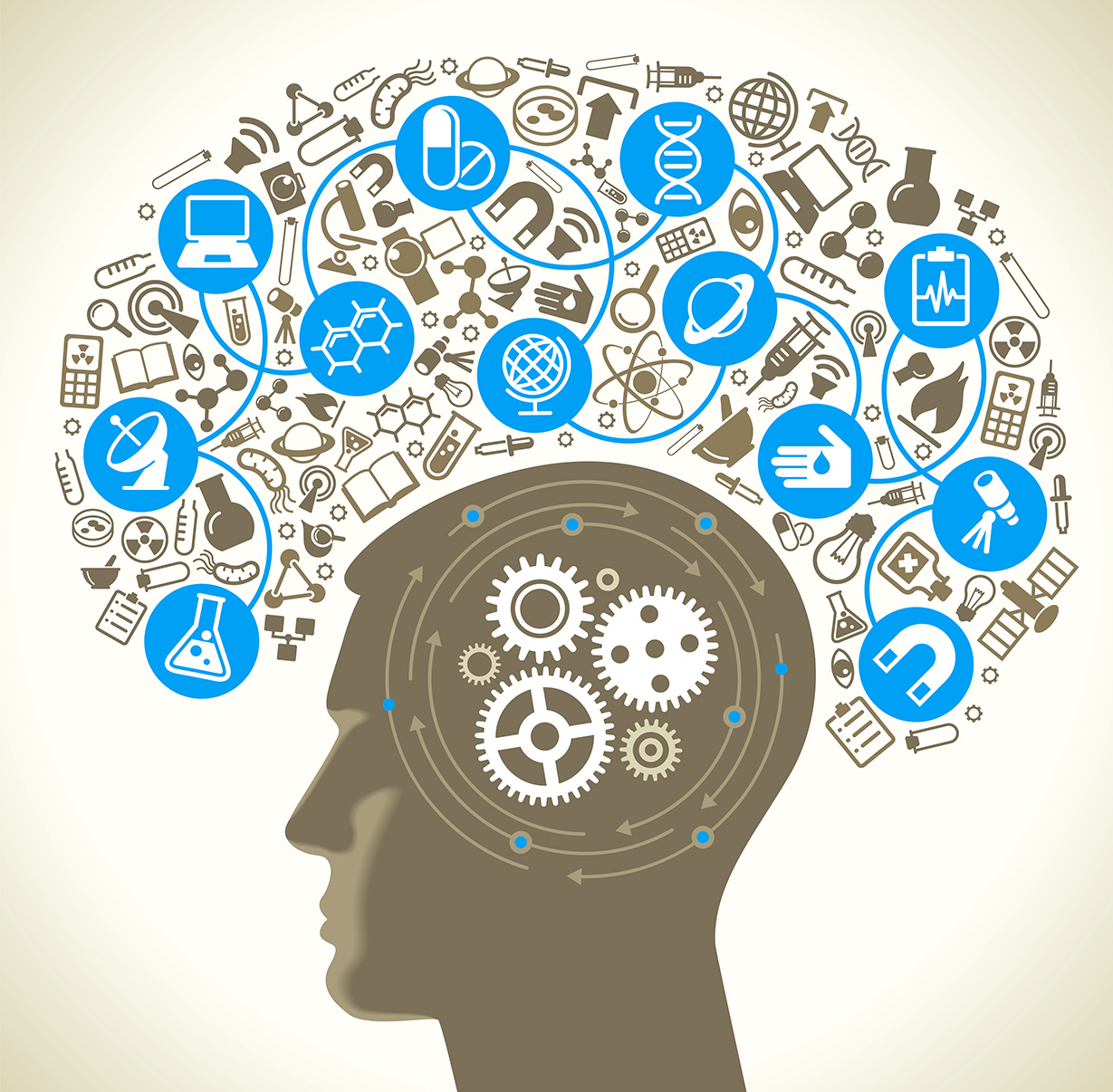
Plan what you are going to research more:

Conduct Research

Research Findings

Use the space below and on the next page to record what you have learned from your research.

Research Findings



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

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

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* \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explain how your research will influence your design:

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Using your Research



Design your Invention

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

Design 2

Design 1

Label your designs with materials and extra information.

Final Design for your Invention

What improvements did you make?

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What is the best part of your design and why?

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How does your invention meet the design specifications?

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Making a Prototype

List the materials will you use to make a model version of your invention. Remember it doesn’t have to be the exact materials you would use if you had the money!

Use the space below to plan how you will make you prototype (in chronological order).