



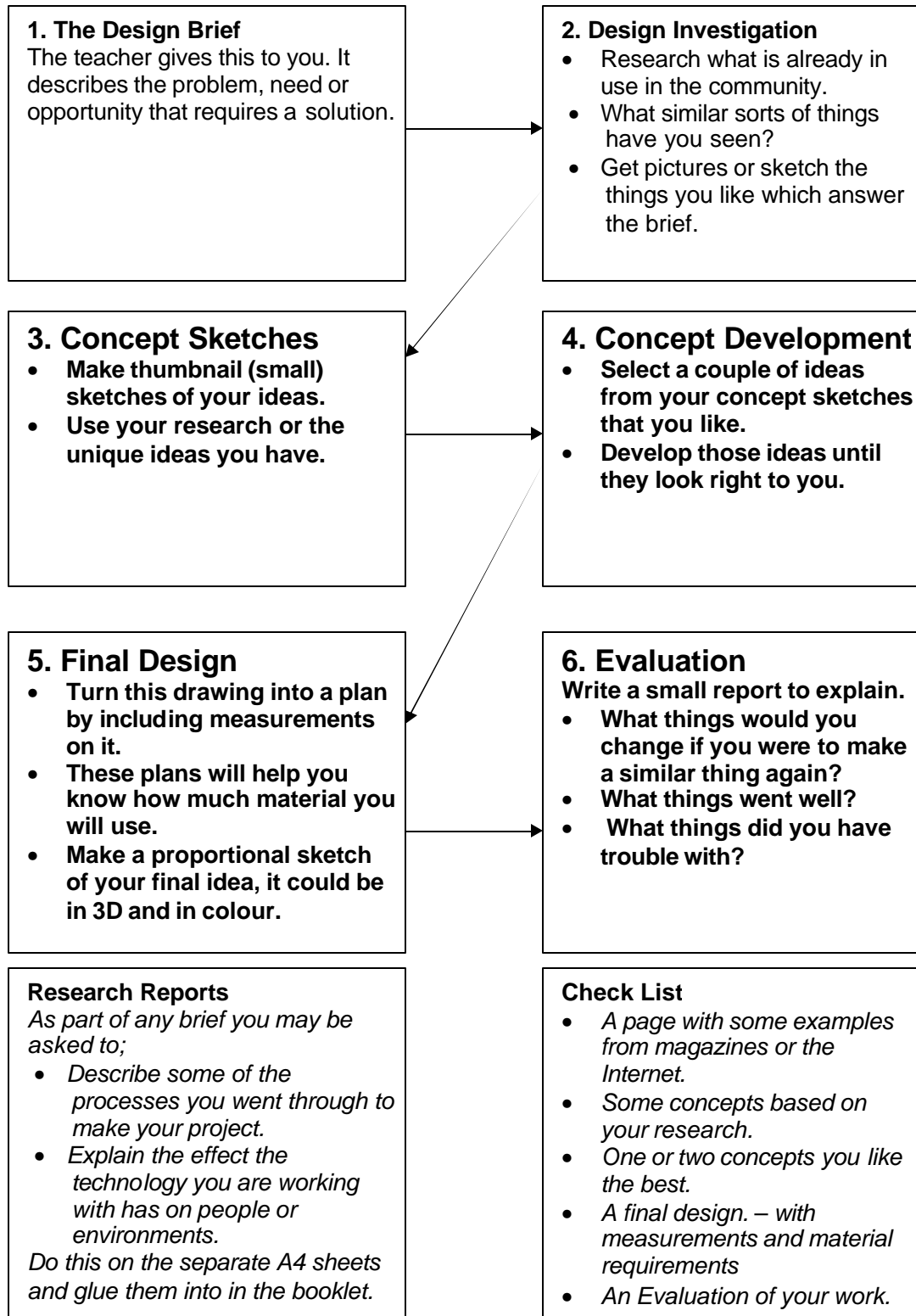
Student Information Booklet

Name: _____

2018
Year 8 Materials Technology

The Design Process

This sheet should help you prepare for work in Technology. The design process is central to any work in technology and if you follow these six steps you should not have any problems.



General Information

This booklet has been provided for you to complete your technology work. You are to do the work on the pages provided and follow the guidelines laid out on the “design process” sheet. You will have to take your booklet with you to complete some of the work set out in the briefs for homework.

You must bring the booklet with you to Technology each week

Personal Safety

- You should remove all rings and watches when working in the workshop.
- You should roll sleeves up and tuck in any loose clothing.
- You must always wear safety glasses while working in the workshop.
- If you wear glasses you should still wear safety goggles while working at machines.
- You must wear ear protection when working on or around noisy machines in the workshop.

No running in the workshop at any time.

Machinery and Equipment Safety Precautions.

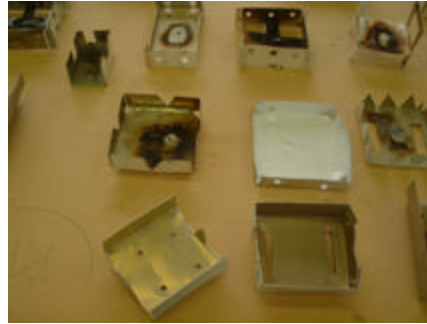
You must:

- Keep the working area free of oil, tools, waste materials or any other hazards.
- Do not brush waste material away from machinery beds with your hand.
- Do not allow any machines to run unattended.
- Never attempt to stop the rotating spindle of any machine with your hands.
- Do not start or operate any machines unless instructions have been given on its operation and safety procedures.
- Check all machinery guards are in place.
- Stop the machine before attempting to do any measurement, cleaning, oiling or adjustment.
- Never use rags near the moving part(s) of a machine.
- Get first aid immediately for any injury, no matter how minor it is.
- Always dispose of oily rags properly.
- Do not distract other students while they are using tools or machinery.

Check with your teacher if you have any doubts about operating any of the tools or machines in the workshop.

**Background**

One of the highlights of Year 8 is the camp to Stewart Island. In preparation for this we are asking you to develop your own food (pasta) dish that you could heat up on a stove designed and made by yourself. You will be able to partner with a student in England working on a similar task. Their camp will be on Dartmoor.

**Brief**

Design, model test and make a working camp stove which uses solid fuel tablets.

Materials

Aluminium sheet (metal) blind (pop) rivets and card.

Tools

Guillotine, snips, hacksaws, drills, files
Describe how you used them.

Processes

Describe the cutting and forming process and sequence, identify the key stages which combine to make your stove. (AO 2b)

Design**Considerations**

To be completed.....