



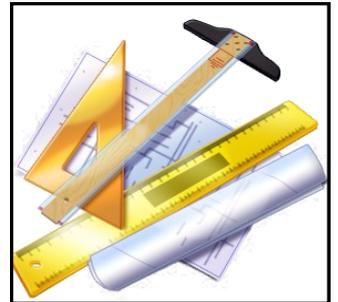
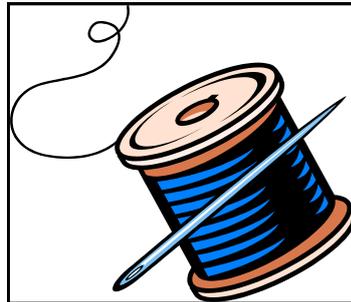
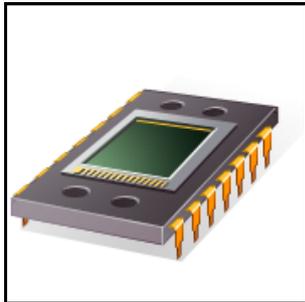
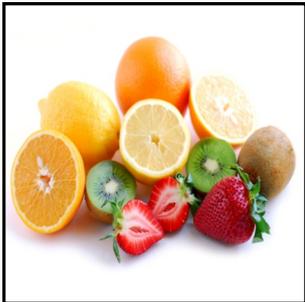
Aston Comprehensive School
Design and Technology Department

Resistant Materials

Technology

Extended Learning Task

Project Guide



My name is: _____

My teacher's name is: _____

My technology group is: _____

Introduction & Planning

Over the next six weeks you will complete this extended learning task (ELT) project. The table below shows what you will be doing for each section, when you should start it, and when you should hand it in.

To help you to track your progress you should tick the *done* box when you have completed a section.

Topic	Theme	Start Date	Deadline Date	Done	Effort
1	Health & Safety Health and safety poster & checklist.				
2	Research Investigation into Materials.				
3	Survey & Data Analysis Researching what materials household items are made from.				
4	Evaluation At the end of this project you must think about how well you have worked and how you think you have learnt from this activity.				

My final deadline is: _____

Task Number Two

Research

Theme

Research into different types of wood

Task

You are to research information about man-made boards. You will need to find out how the man-made boards are manufactured and what products they are used in.

This information should be presented as a mini booklet and should include at least the following materials: MDF, Plywood and Chipboard.

Grading Criteria

Level 3: Research all materials and provide a brief description of how they are made. Give an example a use for each material.

Level 4: Research all materials and provide a description of how each is made. Give two example uses of each material. Must be presented to a very good standard.

Level 5: Research all materials and provide a detailed description of how each is manufactured and examples of least three products each is used in. Must be presented to an excellent standard.

Notes

Task Number Three

Survey & Data Analysis

Theme

Materials survey and data analysis

Task

Your task is to carry out a survey of the materials that furniture and other items are made of in your home. You can use what you have learned in task number two to help you.

You need to complete a survey, selecting at least five items, identify what materials they are made out of and then record this information in the form of a chart.

Once the data has been collected a bar chart can be produced to show the results. The chart should be clearly labelled with a title, axes labelled and coloured.

Summarize your findings stating the most common materials and why you think these are more popular .

Grading Criteria

Level 3: Produce a chart showing at least five different products. Write a simple description of your findings.

Level 4: Produce a labelled chart showing at least ten different products. Write a description of your findings.

Level 5: Produce a fully labelled chart showing at least fifteen different products. Write a detailed description of your findings.

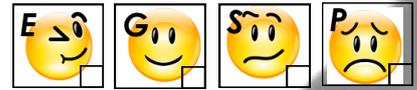
Notes

Task Number Four

Evaluation

Effort

Self Assessment



What new skill have you learnt by doing this project?

Which part of the project did you find difficult. How did you overcome your problems?

If you could do the project again what would you do differently?

What did you enjoy most about this project?

Effort

Teacher's Feedback



Date:

Comment:

NC Level:

To improve you must:

Personal Learning & Thinking Skills

Self Managers	<i>What I should look for?</i>	<i>How have you achieved this?</i>	<i>Achieved?</i>
Seek out challenges or new responsibilities and show flexibility when priorities change.	Have I learnt any new skills?		
Work towards goals, showing initiative, commitment and perseverance.	Have I completed my project? Am I working to my target level or above?		
Organise time and resources, prioritising actions.	Can I manage my time effectively and finish tasks in the time allowed?		
Anticipate, take and manage risks.	Do I work in safe and hygienic way?		
Deal with competing pressures, including personal and work related demands.	Have I meet deadlines for all class work and ELTs?		
Respond positively to change, seeking advice and support when needed.	Do I try my best and ask for help when I need it?		
Manage their emotions, and build and maintain relationships.	Do I get upset when things don't go right the first time. Do I work well with other students?		