

**Subject: Art, Design & Technology (Resistant Materials)**

Department Staff – Mr T Murphy

Year 8 - Academic Year 2010 - 2011

In Art, Design and Technology, you have the opportunity to develop a range of skills and knowledge. You will follow a programme of study which includes Art, Food and Resistant Materials.

***Contents : what you will study***

By the end of year 8 you will have:

- Learn how to continue to develop your design and make skills from a given design brief.
- Learn the properties and uses of materials in the different subject areas.
- Learn how to use computer-generated drawings for your design work.
- Learn how to apply correctly health and safety practice when working with tools and equipment
- Extend the range of tools and equipment you are able to use.

In Year 8 you will complete a Mechanical project which will last a maximum of 12 weeks.

***National Curriculum levels at which you will work***

You should be working between levels 3 to 6

***Skills which you will develop this term***

- How to mark out using tools and workshop equipment
- How to use graphic technique to enhance your design
- How to fully evaluate your completed product
  - How to research into existing product using conventional and electronic sources

***Assessment : how you will be tested this term***

- You will be continuously assessed throughout your design and make stages.
- You will be also assessed via the series of homework assignments that will be given to you.

In order to gain good marks:

- Your folder must be neat and well organised
- You must present your written work well
- Your finished product should meet your specification
- The quality of the product that you made must be good
- Gain further understanding of the working characteristics of the materials being used.
- Show that you have used tools and equipment correctly and safely
- Show effort and commitment when working.
- Produce high quality practical work.

Depending on how good your work is you will be awarded a grade/level as follows;

Grade	A	B	C	D	E
Level	6	5	4	3	2

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***Equipment which you will need for this term's work***

The equipment you need for this term are:

- Mathematical set
- Tools
- Workshop equipment
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***Key words which you will need to learn for this term work***

Here are some subject key words (*terminology*) that you must learn and use, you will be learning more, it is important that you make a note of them. Your teacher will be writing them on the board as the lesson progresses:

Product:	The thing you make-a toy, a meal garment a model etc.
Design Brief:	A short statement of task or a short statement of what you have decided to make.
Specification:	A bullet point statement of what your product must have i.e. setting the targets for my product to achieve.
Evaluation:	Judging what you have made in order to find out what has gone well and wrong( <i>has it met the specification or not</i> ).
MDF:	Medium Density Fibre-board.
Coniferous:	Soft woods which come from trees whose leaves are in the shape of a needle.
Deciduous:	Hard woods which come from trees with broad leaves.
Thermoplastic:	Plastics that can be recycled or re-used.
Thermosetting:	Plastics which cannot be recycled once they are used.
Ferrous:	Metals that have iron in them and can be magnetised.
Non-Ferrous:	Metals that have no iron in them and cannot be magnetised.
Research:	Finding out information about my product that I want to make.