

Subject: Art, Design & Technology (Resistant Materials)

Department Staff – Mr T Murphy

Year 7 - Academic Year 2009 - 2010

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, Textiles, Food and Resistant Materials.

Contents : what you will study

- Learnt how to be aware of and apply health and safety rules in the design and technology
- Learnt the properties and uses of materials in the different subject areas.
- Learnt how to use basic tools and equipment specific to your area of study
- Learnt how to design and make a named product
- Learnt how to judge the quality of the things you have made in order to make improvement.

In Year 7 you will complete a Puppet Theatre project which will last a maximum of 12 weeks.

National Curriculum levels at which you will work

You should be working between levels 2 to 4

Skills which you will develop this year

- How to use basic tools and workshop equipment
- How to develop your creative skills
- How to work individually and in a team environment.
- How to research into existing products using a variety of sources

Assessment : how you will be tested this year

- You will be continuously assessed throughout your design and make stages.
- You will be also assessed via the series of home works 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 make must be good
- You must demonstrate an 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	5	4	3	2	1

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Equipment which you will need for this year's work

The equipment you need for this term are:

- Standard School Equipment-Pencils, Pens etc
- Tools
- Workshop equipment

Key words which you will need to learn for this year's 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.
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 attracted to a magnet.
Non-Ferrous	Metals that have no iron in them and cannot be attracted to a magnet.
Research	Finding out information about my product that I want to make.