DESIGN & TECHNOLOGY

Key Stage 4

Awarding Body – WJEC - GCSE Resistant Materials

WJEC Resistant materials has been designed to encourage candidates to be able to design and make products with creativity and originality, using a range of materials and techniques. Candidates will be enthused and challenged by the range of practical activities possible. Pupils have the opportunity to develop their design and make skills in year 10 and raise their awareness of woods, metals, plastics and composite materials. They will also study the theory of Design and Technology in preparation for the exanimation in the June of Year 10. They will then undertake their Controlled Assessment in Year 11 as directed by set Briefs from the WJEC.

Awarding Body – WJEC - Level 1/2 Constructing the Built Environment

The course is broken down into 3 Units:

WJEC Level 1/2 Awards in Constructing the Built Environment			
Unit number	**Unit title**	**Assessment**	**GLH**
1	Safety and security in construction	External	30
2	Practical construction skills	Internal	60
3	Planning construction projects	Internal	30

Unit 1 is studied in year 10 where pupils will learn about Safety and Security in Construction and will sit a 1 hour exam in the June of year 10.

Units 2 and 3 are covered in year 11 where pupils will have to devise a plan to build a dormitory and cover every aspect of the process ranging from the initial design up to and beyond the completion of the build. This is a theory based assignment completed and assessed in school.

They will also complete a series of practical assignments which, again, will be completed and assessed in school.

Pupils are able to obtain a Pass, Merit or Distinction grade in this subject.

Useful Websites

http://www.technologystudent.com/

http://www.mr-dt.com/materials/materialfinishes.htm

http://www.wjec.co.uk/qualifications/construction-and-built-environment/

http://www.wjec.co.uk/qualifications/qualification-resources.html?subject=DesignandTechnology&level=gcsefrom2017

http://www.wjec.co.uk/qualifications/qualification-resources.html?pastpaper=true&subject=DesignandTechnologyResistantMaterialsTechnology&level=gcse