



Design & Technology

Graphics

KS4
Curriculum Details

Year 10

Content

Homework

Parent / Carer Support

| | | | |
|-------------------------------|---|---|---|
| UNIT 1, 2 & 4 | Introduction to Drawing/Designing techniques (Jul-Sep). CAD/CAM (Sep-Oct). Sustainability Design (Nov). | Regular H/W set in the form of assessment pieces to test skills learnt in class. | Monitor how your child is doing in the assessment pieces and find out what they need to improve upon. Check that homework is being completed. |
| Controlled Assessment. | Introduction to designing and making (Dec-Feb). | Exam preparation - materials and manufacture. | The controlled assessment can only be completed in school when supervised by a teacher. Encourage them to attend lunch sessions if they are behind with their work. |
| UNITS 5 & 6 | Compliant materials, smart materials, Introduction to Photoshop. (Feb-Apr) Manufacturing and printing processes. Sustainability work continued. (May-July). | Regular H/W set. Students will be given exam questions to prepare them for the Year 11 exam and their mock exam in Year 10. | In the exam, marks are awarded for the spelling and punctuation. Pupils must plan and structure their answers. Check that they are using a writing frame and are planning how to answer the six mark questions. Check that homework is being completed. |

Study Guides & Resources

OCR Design & Technology for GCSE book available from Amazon or use in school. Technology Student.com website www.Technologystudent.com Design and Technology Website www.mr-dt.com/GCSE Revision Guides from School.

Extra Support

Controlled assessment catch up Monday - Thursday lunchtimes in room T6
Afterschool support sessions Thursday PM 3.05-4.00 in room T6
Other Ways include: Encourage them to attend sessions at lunchtimes and after school in T6. These sessions will become compulsory sessions if they fall behind. Regularly ask how they are progressing with their work in lessons. Watch design programmes that are on TV including Grand Designs, the Great Interior Design Challenge, Life of Design (Philippe Starck). Stress the importance of exam preparation / revision. The exam will be based upon technical skills and knowledge so they should be regularly practising their technical design skills.



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Curriculum Details

| Year 11 | Content | Homework | Parent / Carer Support |
|---|---|--|---|
| Drawing Techniques. | Advanced (Sep). | H/W covering isometric techniques, 1 and 2 point perspective. | Support with the technical drawings. |
| Controlled Assessment. | 6 Rs. moral, social, design, cultural, environmental and symbols links to sustainability. | Exam questions. Mock exam. | Focus upon revision and techniques used in preparation for their final exams. |
| Year 11 Controlled Assessment. | Pop up books, point of sale or architectural model. Situation , specification, design, modelling, making and evaluation. (Oct-Jan). | Fortnightly exam questions linked to theory previously covered. Worksheets to be completed to develop understanding of key graphics principles. | Help with the research section and decision over the type of project to choose. The controlled assessment can only be completed in school when supervised by a teacher. Encourage them to attend lunch sessions if they are behind with their work. |
| Materials / Processes / Finishing Techniques Used in Graphics. Ergonomics / Anthropometrics / Mechanics. | Final assessment. (Feb-Apr). | A series of worksheets and exam question covering all the basic concepts. Research project into the relationship between products and humans. Homework covering motion and movement. | Focus upon revision and techniques used in preparation for their final exams. |
| Advanced Exam Techniques/ Revision. | (Apr-May) | Exam questions. | Encourage the use a variety of revision techniques to ensure all core content has been revised. |

Study Guides & Resources

OCR Revision guides £2. technologystudent.com BBC Bitesize website.

Extra Support

Lunchtime support Tuesday to Thursday in T6. Afterschool Support in T6.