Year 10

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| Term | Theme | What students will learn | Key assessment | How you can support your child |
| 1 | Core Principles  & drawing skills | New and emerging technologies, energy generation, new materials.  Isometric drawing, orthographic drawing, projection drawing and rendering. | Drawing skills assessment.  PG online questions | Encourage them to work on their homework with care and attention to detail.  Buy them the course textbook and revision guide ASAP. |
| 2 | Core Principles  & NEA mock | In depth knowledge on designers and companies - given designers by teacher (inline with AQA spec).  Practice some of the skills to carry out section A-C in the NEA: primary, secondary research, designing and modelling. | Section A multiple choice - (mock papers)  Designer knowledge  Specification writing | Encourage them to regularly make and cover flashcards on topics they have learnt in lesson.  Build on knowledge from lessons at home with prior reading or reading after:  <http://www.technologystudent.com/despro_flsh/Designer1.html> |
| 3 | Specialist principles - iPad stand | Practical skills sessions 25-30 hours: routing, laminating, veneering, chiseling, shop bought components, tolerances, QC/QA, finishing, power tools, marking out, templates & CAD/CAM | Overall outcome and ability to follow manufacturing spec and instructions. | Opportunities to practice of work on practical skills would be ideal.  Reading the textbook 174-184 |
| 4 | Specialist principles consolidate and revise | Selection of materials, forces, sources (felling), seasoning (kiln/air), stock forms, scales of production, wood turning process (theory) and injection moulding & treatments and finishes. | End of practical test on skills and understanding | Content in textbook 70- 223 (as appropriate for lessons and for TIMBER only) |
| 5 | Exam Technique  & Core Principles | Skills on how to answer the questions and approach the exam. 10 mark questions, 6 and the 3 sections to the paper.  Materials and their properties, mechanical devices and systems approach to design. | Practice papers and questions. | Complete past papers with them and get them to read the mark schemes:  <https://www.aqa.org.uk/subjects/design-and-technology/gcse/design-and-technology-8552/assessment-resources>  <http://www.technologystudent.com/despro_flsh/exams1.html> |
| 6 | Designing and making principles preparation for NEA  &  NEA start | 6R’s and LCA cycle, work of others, designing approaches. Recap all areas of how to start and work through NEA  June 1st Start NEA - 35 hours | NEA - AQA assessment 50 % GCSE (finished product by Christmas break) | Support them in coming to the Wednesday after school session to complete NEA portfolio - lunch times to work on practical piece when appropriate |

Year 11

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| Term | Theme | What students will learn | Key assessment | How you can support your child |
| 1 | NEA Work - Core Principles Revision and new content. Art Deco - wood skills practical | Students will develop further revision aids and recap topics studied.  They will embark on a practical wood properties project in the style of Art Deco | NEA A01/2 (A,B &C) | Encourage your child to engaged with their chosen client. If they can visit locations relevant for their project or engage with clients from their target audience this will benefit them.  Work on NEA at home by planning a preparing for their next controlled assessment time in school. Using Miss Steads website, the textbook and the revision guide.  Prepare a revision timetable for them to revise D&T at least 1 hour a week (this can be in 10 minute chunks spread over a few days or 2x 30 minute sessions for example). |
| 2 | NEA | Build on knowledge for their ‘Designing and making principles’ of their exam.  How to realise a design. Practical skills relevant to their solution. | NEA A02 (C,D & E)  December Mock Paper | Encourage them to come to every Wednesday after school club to work on NEA/Revision  Stick to their revision timetable |
| 3 | NEA & Exam Technique | Evaluation skills to suggest modifications to their project.  Learn the set-up of the exam and build up the skills on how to approach the questions. | NEA A02/3 (E & F)  Core Test | Encourage them to come to every Wednesday after school club to work on NEA/Revision  Stick to their revision timetable |
| 4 | Exam Technique and Revision - Designing and making principes | Utilise the understanding of the design process from NEA and build on theory of: Primary, secondary research, environmental and social challenge with design, strategies to tackle designing, how to communicate ideas well. material management and manufacturing specifications. | Specialist Test | Encourage them to come to every Wednesday after school club to work on revision  Stick to their revision timetable |
| 5 | Exam Technique and Revision - Designing and making principes | Utilise the understanding of the design process from NEA and build on theory of: Primary, secondary research, environmental and social challenge with design, strategies to tackle designing, how to communicate ideas well. material management and manufacturing specifications. | Designing and Making Test | Encourage them to come to every Wednesday after school club to work on revision  Stick to their revision timetable |
| 6 | N/A | N/A | N/A |  |