



**Exam Preparation**  
 How to answer 12 Markers  
 Remember to use your knowledge organisers!  
 Math's in DT- This will be recapped during the year

**Creating your design solution**

User Testing | PoP Modelling  
 Materials Testing  
 CAD/CAM/Stress  
 Sketching Design Ideas

**Evaluating your final design**

User Testing  
 Written Evaluation  
 CAD/CAM/Stress

**Exploring your problem**

Design Brief  
 Design Specification  
 Primary User Needs  
 Research Methods

**YEAR 11**

**How should designers respond to their client?**

**NEA Y11**

**Are designers limited to Energy System? What is architectural design?**

**System?**

Soldering  
 Form Follows Function - Blue Foam  
 Electronic Components

**Project: Toy Car**

Marking and Measuring  
 Properties of Paper and Boards  
 Scale and Ratio in DT  
 3D Printing and CAD/CAM

**Project: Garden Model**



**AQA Themes released - June**

**YEAR 10**

**Do designers need to be sustainable?**

Marking and Measuring  
 Properties of Timbers  
 Sustainability

**Project: Mini NEA**

**How is Brand identity Important to the IDP?**

Graphic Design  
 Logo Design  
 Marketing in Design

**What is Ergonomics?**

Polymorph Design  
 Thermo and Thermosetting  
 User Profiling

**How do designers use UCD?**

Timbers – Manufacturing and Sustainability  
 Drilling and Cutting techniques using jigs and formers  
 User Centered Design and Analysis  
 Spray paint and finishing techniques

**Project: Passive Amplifier**

**What is electrical engineering?**

Soldering Techniques  
 Timbers & Polymers  
 Electronic components  
 Energy Storage and Generation

**Project: Bedside Table Lamp**

**YEAR 9**

**YEAR 8**

**How are user opinions formed to influence designs?**

Hegner Saw / Band sander/ User Questioning  
 Vacuum forming  
 CAD/CAM

**Project: Pin Ball Machine**

**What is the difference between a tool and machine?**

Marking, Measuring and Conversion  
 Hand tools and quality control checks

**Project: Toy Car**

**What are Systems and Controls?**

Electronics, Soldering, Timbers, Polymers  
 Vacuum Forming, Components, Introduction to Engineering

**Project: Steady Hand Game**

**YEAR 7**

**PRIMARY SCHOOL**



welcome

**How do designers keep safe in the workshop?**

The Iterative Design Process  
 The safe use of Machines and Tools  
 Risks and Hazards prevention in the workshop  
**Project: Puzzles**

