

DESIGN AND TECHNOLOGY

| | AUTUMN TERM | SPRING TERM | SUMMER TERM |
|---------------|---|--|---|
| Year 7 | <p>Moodlight Project Components Soldering CAD CAM Techsoft 2D Design Acrylic Finishing Wood Gluing and Finishing</p> <p>(Covid replacement – make and design a board game project).</p> | | <p>Rotation with food</p> |
| Year 8 | <p>Post-it Note Holder Project Prototyping 2D Design (CAD CAM) Acrylic Coping Saws Filing Edge Finishing Finishing Drilling Acrylic Line Bender *Students will complete one of either the Post-It Note Holder or the Balancing Figure Project then rotation with food</p> | <p>Balancing Figure Measuring metal Accuracy using verniers Filing Brazing Annealling Riveting Marking out metal Centre-punching Drilling and Countersinking CAD CAM Timber Finishing Dip Coating Brief evaluation and photo evidence (COVID replacement - Design and make your own CD cover)</p> | |
| Year 9 | <p>Candle Holders Developing timber based skills Model Making using corrugated cardboard Creative opportunity *Students will have the opportunity to then complete the Coasters & Holders Project and vice-versa</p> | <p>Coasters and Holders Advanced CAD CAM / Acrylic and Manufactured Boards practical work / Acrylic Work. More choice over design (complete freedom of choice). More designing and creativity (COVID replacement - chair project) Ergonomics and anthropometrics/3D drawing/CAD CAM Trowell Project (NEW)</p> | <p>Options Chosen Mechanisms theory and Automata One group will have chosen GCSE DT the other group not all will have. Both groups will: Study PG Online Unit 2 lesson 8, model cams and levers and mechanisms from cardboard and then design and make an automata using the knowledge</p> |