

Year 10 DT (Graphics)	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Content / topics	Pop Up Project	Pop-Up Project	Sports promotion project	Sports promotion project	Edexcel contextual challenge	Edexcel contextual challenge
Skills	Oblique drawing, isometric drawing, producing design drawings, 2D CAD, pop-up test pieces.	Introduction to Photoshop, card mechanisms, rotary, linear, oscillating, reciprocating and pop-up	Scales of production, environmental issues, papers and boards, single and 2 point perspective	Developing designs using 3D CAD, 2D designs in Photoshop and Illustrator, Maths in DT contexts, thermoplastics and applications	Papers & boards and applications, polymers and applications, systems used in design	Textiles and applications, Timbers and applications, use of modelling materials, use of modelling tool and equipment.
Assessments / PPEs	Baseline assessment test and review of skills at half term	End of unit test and assessment of skills at half term	End of unit test and assessment of skills at half term	End of unit test and assessment of skills at half term	End of unit test and assessment of skills at half term	End of unit test and assessment of skills at half term

Year 11 (DT Graphics)	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Content / topics	Edexcel Contextual challenge, developing design ideas	Edexcel Contextual challenge, developing final design	Edexcel Contextual challenge, 2D technical drawings, modelling.	Edexcel Contextual challenge- modelling and making	Edexcel Contextual challenge. Complete manufacture and evaluation,	Preparation for the public examination
Skills	The impact of new technologies, unemployment, skills, sustainability & environmental issues, production techniques and systems.	Role of design in natural disasters, medical advancements, travel, global warming, communication, ethical issues, environmental issues, Life Cycle Analysis,	Energy production and storage, modern and smart materials, composites, levers, linkages, cams and followers, pulleys and belts, gears, sensors, control devices and components	Outputs e.g. LEDs & buzzers, programmable components, metals, properties and applications, papers and boards and applications	Fibres, properties and applications, papers, boards, properties and applications. Printing, finishing and cutting processes. Techniques for quantity production. Fabricating and construction techniques	
Assessments / PPEs	Baseline assessment test and review of skills at half term	Pre Public Exam 1 and half term assessment of project	Pre public exam 2 and half term assessment of project	End of unit test and assessment of made component	Assessment of evidence portfolio	