

YEAR 9		Description	Levels covered	Skills & content covered	Skills & content revisited
GRAPHICS					
AUTUMN 1	festival Map Project	CONTEXT Music festivals & concerts are very popular events. To promote these events branding is used to create a strong identity. Design Task Produce an information map for a music festival to be held in Clissold Park, Stoke Newington. The leaflet must include a map of the event with a clear layout and have a strong brand identity.		Product analysis using ACCESSFMM, research and analysis of logos, Writing a Design Criteria / Specification, logo design, signage, CAD - Adobe Illustrator intro (using pen tool, stroke & fill, etc), Harry Beck, Pictograms and layouts.	When will these skills and content be revisited? What unit provides the next opportunity for students to be able to develop the skills or knowledge being developed in this unit.
AUTUMN 2	festival Map Project				Skills & content revisited through Lamp project in term 2&3: Product analysis, design criteria, sketching and development with CAD. Skills & content revisited in full through controlled assessment during Y10 & Y11.
SPRING 1	CAD Lamp Project (research, criteria, initial designs)	Context: This project has a focus on 3D product design and reintroduces the students to CAD. The students will design a small USB powered lamp and test their design intentions through model making before producing a design using Adobe Illustrator. The designs will be transferred to 2D Design and cut from sheet acrylic using a laser cutter. The students will then put a small circuit board together and assemble their products. They will also be shown how to use Google Sketch-up (3D drawing program) and will recreate their designs		Analysis of brief and design criteria, Producing initial designs, Design development, modelling & prototyping (3D printing), CAD - developing further skills, CAM - using laser cutter, basic electronics, thermoplaastics, manufacture methods (injection moulding, blow moulding, vac forming), flow charts, evaluation	content revisited during controlled assessment project in Y10 & 11: Analysis of brief and design criteria, Producing initial designs, Design development, modelling & prototyping, CAD / CAM - using laser cutter, vac forming, flow charts, evaluation techniques.
SPRING 2	CAD Lamp Project (development, prototyping, making)				
SUMMER 1	Lamp Packaging Design	Context: This section of the lamp project has a focus on packaging design & reasons for packaging with a vacuum formed blister pack for a final practical outcome. Students will build on CAD skills from previous projects.		Product analysis using ACCESSFMM, research and analysis on branding, Design Specification, Initial designs for branding, CAD skills & brand development, Vacuum forming (making a mould and forming it for blister pack). Evaluation against specification, 3rd Party feedback, modifications.	Skills & content revisited in full through controlled assessment during Y10 & Y11. Theory lessons designed to extend understanding.
SUMMER 2	Exam Practice for end of year exam	focus on print processes, finishes, QC/QA		Mock up design section: ___ print processes: Lithography, Gravure, Flexography, Screen Printing. Print Finishes: Foil Block, Embossing, Spot Varnishing. Quality Control techniques used for printing: Crop marks, Reg marks, Colour bars.	Full content of Unit 1 to be covered over Y10 & 11