

Curriculum Map - Graphics KS4

Year group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
11 (2019/20)	<p>Assessment:</p> <ul style="list-style-type: none"> Working at grade Revision topic test <p>Theory topic: Section 5A- Papers and boards</p> <p>NEA Deadlines this half term:</p> <p>25th October - Must have up to Section C complete. Link to deadline sheet.</p> <p>Key words:</p> <p>Analysis, user, client profile, product analysis, society, design brief, specification, initial ideas, initial developments.</p>	<p>Assessment:</p> <ul style="list-style-type: none"> Working at grade Mock exam (Nov) <p>Theory topic: Section 6 & 7</p> <p>NEA Deadlines this half term:</p> <p>7th January – Must have completed Section D and started on practical work.</p> <p>Key words:</p> <p>Development sketches, 3d model, CAD, iterations, further testing, cutting list, plan of make, working drawings, components, practical making</p>	<p>Assessment:</p> <ul style="list-style-type: none"> Working at grade Revision topic test <p>Theory topic: Revision focus on maths questions – Trigonometry, surface area, totals, mean, ratio.</p> <p>NEA Deadlines this half term:</p> <p>4th March – Must have completed Section E and started on evaluation section.</p> <p>Key words:</p> <p>Tools, equipment, manufacture, reflection, evaluate, refine</p>	<p>Assessment:</p> <ul style="list-style-type: none"> Working at grade Revision topic test <p>Theory topic: Revision of Sections 1 – 7</p> <p>NEA Deadlines this half term:</p> <p>Monday 16th March – hand in final NEA coursework.</p> <p>Key words:</p> <p>Tools, equipment, manufacture, reflection, evaluate, refine, 3rd party testing, modifications.</p>	<p>Assessment:</p> <p>Working at grade</p> <p>Revision for exam</p> <p>Theory topic: Revision Sections 1 – 7</p> <p>Key words:</p> <p>Core technical principles, specialist technical principles, Designing and making principles.</p>	<p>Examination (50%)</p> <p>Assessment:</p> <p>Revision – testing/forecasting correctly</p> <p>Theory topic: Revision</p> <p>AQA examination: 24 May 2019.</p> <p>Start time: pm</p> <p>Duration: 2h</p> <p>Key words:</p> <p>Core technical principles, specialist technical principles, Designing and making principles.</p>
<p>Homework to include: use of CGP revision guide, completion of exam questions, research NEA tasks.</p>						

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YR 10 (2019/2020)	<p>Assessment:</p> <p>Theory: End of topic test.</p> <p>NEA: Key assessment point. Working at grade.</p> <p>Theory topic -Section 1:</p> <ul style="list-style-type: none"> • Industry and Enterprise • Sustainability and the environment • People, Culture and society • Production techniques and systems • Informing design decisions <p>NEA Skills- Technical drawing skills, isometric and 2 point perspective. Understanding typography and how to develop a typeface. How to set out the first section of a GCSE project, focus on the brief and problem.</p>	<p>Assessment:</p> <p>Theory: End of topic test.</p> <p>NEA: Key assessment point. Working at grade.</p> <p>Theory topic -Section 2:</p> <ul style="list-style-type: none"> • Energy generation • Modern materials • Smart Materials • Composite materials, and technical textiles • Electronics, systems processing • Mechanical devices <p>NEA Skills- Technical drawing methods of one point perspective, section drawings, crating, thick and thin lines. Designing to GCSE</p>	<p>Assessment:</p> <p>Theory: End of topic test.</p> <p>NEA: Key assessment point. Working at grade.</p> <p>Theory topic - Section 3:</p> <p>Theory topics taught then an end of topic test – Section 3:</p> <ul style="list-style-type: none"> • Papers and boards • Natural and manufactured timbers • Metals and alloys • Polymers • Textiles <p>NEA Skills- Quality control, manufacturing methods, Die cutting, printing processes, designing development pages to GCSE standard.</p> <p>Easter egg packaging project- Looking at net development and</p>	<p>Assessment:</p> <p>Theory: End of topic test.</p> <p>NEA: Key assessment point. Working at grade.</p> <p>Theory topic - Section 4 & 5:</p> <p>Theory topics taught then an end of topic test – Section 4 & 5A:</p> <ul style="list-style-type: none"> • Forces and stresses • Improving functionality • Ecological footprints • The 6 R's • Scales of production • Paper & Board sources and origins • Working with paper and boards • Commercial manufacturing, surface treatments, and finishes 	<p>Assessment:</p> <p>Theory: End of topic test.</p> <p>NEA: Key assessment point. Working at grade.</p> <p>Theory topic - Section 6:</p> <p>Theory topics taught then an end of topic test. – Section 6:</p> <ul style="list-style-type: none"> • Investigation, primary and secondary data • The work of other designers • The work of other companies • Design strategies and creativity • Prototype development <p>NEA Skills- Pupils learning about the 6</p>	<p>Assessment:</p> <p>Theory: End of topic test.</p> <p>NEA: Key assessment point. Working at grade.</p> <p>Theory topic - Section 7:</p> <p>Theory topics taught then an end of topic test – Section 7:</p> <ul style="list-style-type: none"> • Materials and components selection • Tolerances • Materials Management • Marking out – tools and accuracy • Specialist tools, equipment, techniques and finishes

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	<p>Learning and improving upon skills using illustrator. Developing CAD skills.</p> <p>2 point perspective and designing in 2 point perspective.</p> <p>Orthographic Projection and grid drawings to scale.</p> <p>Typography project</p> <p>Postcards promoting sustainability. Skill enhancement using illustrator for drawing images.</p> <p>Keywords: technical drawing, isometric, typography, CAD, orthographic projection, analyse brief, industry, enterprise, sustainability, culture, production techniques, decisions.</p>	<p>standard. Developing CAD skills.</p> <p>Designing a toy for children. Assessment focus on the research section of the GCSE coursework. Design ideas practise to GCSE standards. Pupils will research different designers and create work in the style of the chosen designer. (Like for the coursework)</p> <p>Keywords: one point perspective, crating, CAD, illustrator, designers, design movements, energy storage, modern materials, smart materials, composite, systems & electronic approach to designing, mechanical devices.</p>	<p>incorporating different materials and die cutting technique.</p> <p>Creating a point of sale for the packaging working with foam board and other modelling materials.</p> <p>Keywords: processes, quality control, testing, point of sale, papers and boards, natural, manufactured timbers, metals, alloys, polymers, textiles.</p>	<p>NEA Skills- Die cutting, learning about different designers. Brand image. Experimenting with paper and card to make stronger structures (based on improving functionality)</p> <p>Vinyl signage project- Looking at brand image in the form of designing a logo for a company.</p> <p>Experiment using different papers and boards. Using page 80.</p> <p>Keywords: designers, branding, structures, developments, logos, social impact, forces and stresses, functionality, ecological, social footprint, six r's, scales of production, sources and origins, working, commercial manufacturing, surface treatments, finishes.</p>	<p>R's, sustainability and the environment.</p> <p>Leaflet on recycling to encourage teenagers to recycle.</p> <p>Keywords: leaflet, innovation, illustrator, investigation, primary, secondary, data, strategies, prototype, developments, refining, testing ideas.</p>	<p>NEA Skills- Laminating, line bending and vacuum forming, cutting and sawing plastics, laser cutter use.</p> <p>Start coursework based on new NEA.</p> <p>Keywords: Client, context, problems, opportunities, explore, needs, wants, economic, social, effects, investigate, brief, specification, justification, focused, relevant, components, tolerances, marking out, nesting, tools, equipment, surface treatment, finishes.</p>
	<p>Homework to include: use of CGP revision guide, completion of exam questions, research NEA tasks.</p>					