

	Autumn Term	Spring Term	Summer Term
Year 12	<p>Curriculum: Skill based projects – short design tasks allowing students to build on their understanding of CAD, machinery, tools and processed. Creating a foundation to promote confidence and independent research for their NEA coursework. Students to start considering a context for their NEA.</p> <p><u>Theory :</u></p> <ul style="list-style-type: none"> - Topic 1 : identifying requirements - Topic 2 : learning from existing products - Topic 3 : Implications of wider issues (Part A) 	<p>Curriculum: <u>NEA :</u> Personal NEA coursework project with a focus on exploring the chosen context, market and consumer research, setting of design brief, initial ideas and Iteration 1.</p> <p><u>Theory:</u></p> <ul style="list-style-type: none"> - Topic 3 : Implications of wider issues (Part B) - Topic 4 : Design thinking and communication - Topic 5 : Material and components considerations (Part A) - Preparing for mock exams – exam techniques 	<p>Curriculum: <u>NEA :</u> Personal NEA coursework project with a focus on Iterations 1 to 10. Big emphasis on prototyping testing, getting feedback and evaluating to refine final design.</p> <p><u>Theory:</u></p> <ul style="list-style-type: none"> - Topic 5 : Material and components considerations (Part B) - Topic 6 : Technical understanding (Part A) - Preparing for mock exams – exam techniques
	<p>Formal Assessment*: One-to-one tutorials, reviews of work in progress and target setting. Initial focus on summer work, review on foundation skill work and support on selecting NEA coursework context. End of topic tests for all units. Weekly homework set including building on your own foundation skills and past paper question practice.</p>	<p>Formal Assessment*: One-to-one tutorials, reviews of work in progress, target setting, and support with ‘next step’ planning. End of topic tests for all units. Weekly homework set including NEA coursework and past paper question practice. Y12 Mock Exams</p>	<p>Formal Assessment*: One-to-one tutorials, reviews of work in progress, target setting, and support with ‘next step’ planning. End of topic tests for all units. Weekly homework set including NEA coursework and past paper question practice. Y12 Mock Exams</p>
Year 13	<p>Curriculum: <u>NEA :</u> Personal NEA coursework project with a focus final selection (CAD, technical spec and manufacture plan), making of the final prototype, testing process and evaluation.</p> <p><u>Theory:</u></p> <ul style="list-style-type: none"> - Recap of Y12 theory - Topic 6 : Technical understanding (Part B) - Topic 7 : Mechanical processes and techniques (Part A) - Practice of exam techniques 	<p>Curriculum: <u>NEA :</u> Review and last finishing touches for NEA coursework. Final hand-in for marking.</p> <p><u>Theory:</u></p> <ul style="list-style-type: none"> - Topic 7 : Mechanical processes and techniques (Part B) - Topic 8 : Viability of Design Solutions - Topic 9 : Health and Safety - Preparing for Mock exams - Practice of exam techniques 	<p>Curriculum: Focus on Exam preparation :</p> <ul style="list-style-type: none"> - Revisit needed topic - Practice exam questions - Review exam techniques
	<p>Formal Assessment*: One-to-one tutorials, reviews of work in progress, target setting, and support with ‘next step’ planning. End of topic tests for all units. Weekly homework set including NEA coursework and past paper question practice.</p>	<p>Formal Assessment*: One-to-one tutorials, reviews of NEA coursework and support with final touches. End of topic tests for all units. Weekly homework set including NEA coursework and past paper question practice. Y13 Mock Exams</p>	<p>Formal Assessment*: NEA marked by teachers and moderated. End of course external examinations.</p>

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**At CamSF, assessment happens at many levels and is perhaps most important when teachers assess what students have learned and remembered within the classroom. Timely feedback is so important in enabling progress and knowledge retention.*