

# KS4 CURRICULUM: Graphics (YEAR 11)

## Overview

In Graphics you will learn about:

- Core design and technology principles with some emphasis on maths and science skills
- In-depth knowledge of how different materials and manufacturing processes are used to design and make products
- Non-examination Assessment - Design and manufacture a product which reflects the contextual challenge and meets the needs of a chosen stakeholder.

	Focus / Topic	Knowledge & Skills	Assessment
Autumn 1	Contextual challenge: Design Thinking	<ul style="list-style-type: none"> <li>• Specification</li> <li>• Initial Ideas</li> <li>• Review of initial ideas</li> </ul>	<ul style="list-style-type: none"> <li>• Maths formative assessment homework on Google classroom</li> <li>• <b>Initial ideas deadline: 27<sup>th</sup> September</b></li> <li>• Half Term Test on theory content covered (w/b 14<sup>th</sup> October 2019)</li> </ul>
Autumn 2	Contextual challenge: Design Thinking	<ul style="list-style-type: none"> <li>• Development of design ideas into a chosen design</li> <li>• Communication of design ideas</li> <li>• Review of chosen design</li> <li>• Design Proposal</li> </ul>	<ul style="list-style-type: none"> <li>• Maths formative assessment homework on Google classroom</li> <li>• <b>Design development deadline: 8<sup>th</sup> November</b></li> <li>• <b>Design Proposal deadline: 29<sup>th</sup> November</b></li> <li>• PPE fortnight w/ 2<sup>nd</sup> December 2019</li> </ul>
Spring 1	Contextual challenge: Create	Manufacture <ul style="list-style-type: none"> <li>• Selection of materials</li> <li>• Skills and processes</li> <li>• Quality control and quality assurance</li> </ul>	<ul style="list-style-type: none"> <li>• Maths formative assessment test on Google classroom</li> <li>• <b>Final Prototype deadline: 14<sup>th</sup> February</b></li> <li>• Half Term Test on theory content (w/b 10<sup>th</sup> February 2020)</li> </ul>
Spring 2	Contextual challenge Evaluate	Testing and Evaluation	<ul style="list-style-type: none"> <li>• Maths formative assessment homework on Google classroom</li> <li>• <b>Evaluate deadline: 20<sup>th</sup> March</b></li> <li>• <b>Completed final project (with corrections): 3<sup>rd</sup> April</b></li> </ul> <b>Assessment week (w/b 14th Mar 2020)</b>
Summer 1	Exam	Revision techniques	<b>Final GCSE Exam (May 2020)</b>
Summer 2	Study leave	Study leave	Study leave

## Further Information

- Exam board: OCR J310
- Component 1 (J310/01): Written paper (100 Marks – 2 Hours) (50% of GCSE 9-1)
- Component 2 (J310/02): Iterative Design Challenge – Non-exam Assessment (100 Marks - Approx. 40 hours) (50% of GCSE 9-1)