

1c. Curriculum Overview: Design and Technology



SAINTS PETER AND PAUL
CATHOLIC HIGH SCHOOL

Year 10 Design and Technology			
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July
Construction	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> Unit 1 -Safety in Construction (legislation, PPE, Risk assessment, Fire) Unit 2 - Developing a construction project (Focus on Joinery) <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> Unit 1 -Safety assessment Unit 2 Developing a construction project – Coursework documentation for the joinery outcome <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Health & Safety Legislation Safety Signs Fire safety 	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> Unit 1 - Security in Construction (on site, online) Unit 2 - Developing a construction project (Focus on Joinery, introduce Painting and decorating) Unit 3 - Planning a construction project (jobs, resources) <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> Unit 1 - Security assessment Unit 2 Developing a construction project – Practical assessment and evaluation of the joinery outcome Unit 2 Developing a construction project - Coursework documentation for the Painting and decorating outcome Unit 3 -Planning assessment – Jobs and resources calculation <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Security on site Unit 2 planning / Catch up Job roles within construction 	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> Unit 1 -Revisit Safety & Security Unit 2 - Developing a construction project (Focus on Painting and decorating) Unit 3 - Planning a construction project (resources, planning) <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> Safety, security, planning assessment Formal examinations Unit 1 and 3 Unit 2 Developing a construction project – Coursework documentation assessment of Painting and decorating outcome <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Unit 2 planning / Catch up Sequence of construction projects Resources required / calculations

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Year 11 Design and Technology			
Refer to	Term 1 – September to December	Term 2 – January to March	Term 3 – April to July
Construction	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> Unit 1 -Safety in Construction (legislation, PPE, Risk assessment, Fire). Unit 2 - Developing a construction project (Focus on Joinery). <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> Unit 1 -Safety assessment. Unit 2 - Developing a construction project – Coursework documentation for the joinery outcome. Unit 2 - Developing a construction project – Practical outcome of the joinery project. <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Health & Safety Legislation Safety Signs Fire safety 	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> Unit 1 - Security in Construction (on site, online). Unit 2 - Developing a construction project (Focus on Painting and decorating). Unit 3 - Planning a construction project (jobs, resources). <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> Unit 1 - Security assessment. Unit 2 - Developing a construction project – Coursework documentation for the painting & decorating outcome. Unit 2 - Developing a construction project – Practical outcome of the painting & decorating project. Unit 3 -Planning assessment – Jobs and resources calculation. <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Security on site Unit 2 planning / Catch up 	<p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> Unit 1 -Revisit Safety & Security. Unit 2 - Developing a construction project (Focus on Plumbing). Unit 3 - Planning a construction project (resources, planning). <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> Safety, security, planning assessment. Formal examinations Unit 1 and 3. Unit 2 - Developing a construction project – Coursework documentation for the plumbing outcome. Unit 2 - Developing a construction project – Practical outcome of the plumbing project. <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Unit 2 planning / Catch up Sequence of construction projects Resources required / calculations

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<p>Design and Technology</p>	<p>Non Exam Assessment - Sections A, B and C. Core Technical Principles Revision</p> <p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> It's intended to be an iterative process so the learning activities will be directed by the student and will depend on their project. Students are to investigate context provided from exam board Create design briefs and specifications for chosen problem Develop a range of design ideas to meet the specifications and solve design problem. Revision of units 1.1 - 1.6 Core Technical Principles <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> NEA written coursework <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Exam questions focusing on individual topics e.g. Material Properties or Mechanisms 	<p>Non-Exam Assessment Section D, E and F. Mock Exams</p> <p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> Students will develop design ideas through paper modelling and 3d virtual modelling using sketch up etc. Students will use a range of manufacturing techniques to make their chosen design Students will complete written evaluations to include client feedback and suggested improvements. <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> NEA written coursework <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Revision template for mock exam Exam questions focusing on individual topics e.g. Material Properties or Mechanisms 	<p>Exam Revision - Review Core Technical Principles/Specialist Principles</p> <p><u>What are the students learning?</u></p> <ul style="list-style-type: none"> Students will review and complete revision tasks based on the three main sections of the exam Students will work on exam technique e.g. terms used, exam question style <p><u>What are the key standardised assessments?</u></p> <ul style="list-style-type: none"> Review of Mock exam <p><u>What are the standardised homework's?</u></p> <ul style="list-style-type: none"> Exam questions focusing on individual topics e.g. Material Properties or Mechanisms
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