

DEC Level 2 Project Brief:

Learners define, develop, deliver and evaluate a fit for purpose, functional building. Their building should be highly sustainable and inclusive to be used by the local community.

Year 10	Summer B/ Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Unit & length	DEC: Level 2 - 6 & 7 weeks Unit 1 Portfolio & Exam- Defining a sustainable construction project.	DEC: Level 2 - 7 weeks Unit 1 Portfolio & Exam- Defining a sustainable construction project.	DEC: Level 2 - 7 weeks Units 1 & 3 Portfolio & Exam- 1. Defining a sustainable construction project. 3. Delivering a sustainable construction project.	DEC: Level 2 - 6 weeks Units 2 & 3 Portfolio & Units 1, 2 & 3 Exam- 1. Defining a sustainable construction project. 2. Developing a sustainable construction project. 3. Delivering a sustainable construction project.	DEC: Level 2 - 6 weeks Units 2 & 3 Portfolio & Units 1, 2 & 3 Exam- 1. Defining a sustainable construction project. 2. Developing a sustainable construction project. 3. Delivering a sustainable construction project.	DEC: Level 2 - 6 weeks Units 2 & 3 Portfolio & Units 1, 2 & 3 Exam- 1. Defining a sustainable construction project. 2. Developing a sustainable construction project. 3. Delivering a sustainable construction project.
Curriculum outline	Students will complete the following portfolio sections: -Location study -Identify building sites -Interview with client -Identify stakeholders -Architects agreement -Project success criteria -Benchmark costings -Schedule of accommodation -Bubble diagrams/planning the building layout -Study of architecture -Project vision Students will also practise exam questions based on the areas listed above.	Students will complete the following portfolio sections: -Sustainability aspirations -Site location -Planning protocol -Planning legislation -Feasibility study Students will also practise exam questions based on the areas listed above and from previous units/sections.	Students will complete the following portfolio sections: -Minimising energy usage -Gantt chart timeplan -Job responsibilities -Organogram of job roles -Estimated building lifespan -Facilities management - Energy -Unit 3 diary pages: Professional industry input Risk assessments Land surveyors Gantt chart Benchmark costings Students will also practise exam questions based on the areas listed above and from previous units/sections.	Students will complete the following portfolio sections: -Project presentation, visual, written and spoken -BIM model of design idea using Bentley Systems OpenBuildings Designer -Social, economic and environmental impact -Final BIM model -Unit 3 diary pages: Professional industry input Risk assessments Land surveyors Gantt chart Benchmark costings Students will also practise exam questions based on the areas listed above and from previous units/sections.	Students will complete the following portfolio sections: -BIM model of design idea using Bentley Systems OpenBuildings Designer -Social, economic and environmental impact -Final BIM model -Unit 3 diary pages: Professional industry input Risk assessments Land surveyors Gantt chart Benchmark costings Students will also practise exam questions based on the areas listed above and from previous units/sections.	Students will complete the following portfolio sections: -Energy/solar analysis -Lighting -Scaled orthographic drawing -Scaled floor plans -Scaled elevation views -Planning permission review -Review of costings -Unit 3 diary pages: Professional industry input Risk assessments Land surveyors Gantt chart Benchmark costings Students will also practise exam questions based on the areas listed above and from previous units/sections.
Assessment/s	Portfolio (worth 50%) Complete sections above. Exam (worth 50%): Mock exam questions. Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions/ quizzes. Going Green: Acting on feedback in portfolio & exam practice.	Portfolio (worth 50%) Complete sections above. Exam (worth 50%): Mock exam questions. Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions. Going Green: Acting on feedback in portfolio & exam practice.	Portfolio (worth 50%) Complete sections above. Exam (worth 50%): Mock exam questions. Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions. Going Green: Acting on feedback in portfolio & exam practice.	Portfolio (worth 50%) Complete sections above. Exam (worth 50%): Mock exam questions. Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions. Going Green: Acting on feedback in portfolio & exam practice.	Portfolio (worth 50%) Complete sections above. Exam (worth 50%): Full mock exam. Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions. Going Green: Acting on feedback in portfolio & exam practice.	Portfolio (worth 50%) Complete sections above. Exam (worth 50%): Full mock exam. Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions. Going Green: Acting on feedback in portfolio & exam practice.

Year 11	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Unit & length	<p>DEC: Level 2 - 7 weeks Units 2 & 3 Portfolio & Units 1 ,2, 3 & 4 Exam- 1. Defining a sustainable construction project. 2. Developing a sustainable construction project. 3. Delivering a sustainable construction project. 4. Evaluate a sustainable construction project.</p>	<p>DEC: Level 2 - 7 weeks Units 3 Portfolio & Units 1 ,2, 3 & 4 Exam- 1. Defining a sustainable construction project. 2. Developing a sustainable construction project. 3. Delivering a sustainable construction project. 4. Evaluate a sustainable construction project.</p>	<p>DEC: Level 2 - 7 weeks Units 3 & 4 Portfolio & Units 1 ,2, 3 & 4 Exam- 1. Defining a sustainable construction project. 2. Developing a sustainable construction project. 3. Delivering a sustainable construction project. 4. Evaluate a sustainable construction project.</p>	<p>DEC: Level 2 - 6 weeks Unit 4 Portfolio & Units 1 ,2, 3 & 4 Exam- 1. Defining a sustainable construction project. 2. Developing a sustainable construction project. 3. Delivering a sustainable construction project. 4. Evaluate a sustainable construction project.</p>	<p>DEC: Level 2 - 6 weeks Units 1,2,3 & 4 Portfolio & Units 1 ,2, 3 & 4 Exam- 1. Defining a sustainable construction project. 2. Developing a sustainable construction project. 3. Delivering a sustainable construction project. 4. Evaluate a sustainable construction project.</p>	NA
Curriculum outline	<p>Students will complete the following portfolio sections: -Sustainability initiatives -Climate change strategies -Compliance matrix review -CDM plan -Risk assessments -Final energy analysis -Review targets with project members responsible and success rate</p> <p>Students will also practise exam questions based on the areas listed above and from previous units/sections.</p>	<p>Students will complete the following portfolio sections: -Continue Unit 3 project report/diary pages -Exam preparation</p> <p>Students will also practise exam questions based on the areas listed above and from previous units/sections.</p>	<p>Students will complete the following portfolio sections: -Project report BIM review -Project report energy analysis -Review against design brief -Building regulations -Functionality of the building -BIM overall analysis -Peer presentation & feedback</p> <p>Students will also practise exam questions based on the areas listed above and from previous units/sections.</p>	<p>Students will complete the following portfolio sections: -Floor plan flow of the building for different users -Evaluation against targets -Acting on feedback review -Analysis using data -Long term energy usage -Problems and solutions -Aesthetics & sensory impact -Overall presentation and feedback</p> <p>Students will also practise exam questions based on the areas listed above and from previous units/sections.</p>	<p>Students will complete the following portfolio sections: -Revisit any sections from Units 1,2,3 & 4</p> <p>Students will also practise exam questions based on the areas listed above and from previous units/sections.</p>	NA
Assessments	<p>Portfolio (worth 50%) Complete sections above.</p> <p>Exam (worth 50%): Full mock exams.</p> <p>Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions/ quizzes.</p> <p>Going Green: Acting on feedback in portfolio & exam practice.</p>	<p>Portfolio (worth 50%) Complete sections above.</p> <p>Exam (worth 50%): Full mock exams.</p> <p>Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions.</p> <p>Going Green: Acting on feedback in portfolio & exam practice.</p>	<p>Portfolio (worth 50%) Complete sections above.</p> <p>Exam (worth 50%): January- real exam. 1 x 90 minute exam, 80 marks.</p> <p>Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions.</p> <p>Going Green: Acting on feedback in portfolio & exam practice.</p>	<p>Portfolio (worth 50%) Complete sections above.</p> <p>Exam (worth 50%): Full mock exams.</p> <p>Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions.</p> <p>Going Green: Acting on feedback in portfolio & exam practice.</p>	<p>Portfolio (worth 50%) Complete sections above. -Final folder submission, marked out of 44 marks.</p> <p>Exam (worth 50%): May- real exam resit. 1 x 90 minute exam, 80 marks.</p> <p>Quizzes/Exam Practice: Weekly key vocabulary and practice exam questions.</p> <p>Going Green:</p>	NA

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