

Level 3 TQUK DEC

| | Year 12 | | | Year 13 | | |
|------------|--|--|--|--|---|--|
| | Autumn Term | Spring Term | Summer Term | Autumn Term | Spring Term | Summer Term |
| Content | <p>Introduction Careers Group Design Project</p> <ul style="list-style-type: none"> Infrastructure and Rail Hub Stations <p>BIM Modelling</p> <ul style="list-style-type: none"> Floor plans Schedules Elevations 3D views <p>Unit 1</p> <ul style="list-style-type: none"> Identifying a project using LDP BREEAM Site Surveys Concept Designs <p>Unit 2</p> <ul style="list-style-type: none"> Writing a design brief BIM Concept Designs | <p>Unit 2:</p> <ul style="list-style-type: none"> Planning law Legislation Planning Permission Presenting a Proposal <p>Unit 3: Architecture</p> <ul style="list-style-type: none"> Exploring precedents Exploring materials Developing a proposal | <p>Unit 3: Structures</p> <ul style="list-style-type: none"> Exploring precedents Exploring materials Understanding forces Researching loading <p>Unit 4: Architecture</p> <ul style="list-style-type: none"> Creating an architectural model Creating sheets and schedules Feedback and improvements <p>Visit to SHU:</p> <ul style="list-style-type: none"> degree shows | <p>Unit 4: Structures</p> <ul style="list-style-type: none"> Creating a structural model Calculating structural elements Clash detection Feedback and improvements <p>Building Services</p> <ul style="list-style-type: none"> Researching lighting, heating and ventilation requirements Exploring and selecting appropriate technologies Modelling lighting <p>Unit 5:</p> <ul style="list-style-type: none"> BIM for FM Quantity surveying Costt modelling <p>CV Workshop and applications for apprenticeships</p> | <p>Exam preparation</p> <ul style="list-style-type: none"> Past papers KO Units 1-5 <p>Unit 6</p> <ul style="list-style-type: none"> Creating digital and physical models Presenting a proposal to industry Walkthroughs AR and VR BIM 360 <p>Visit to Laing O Rourke</p> <ul style="list-style-type: none"> Modern methods of manufacture | <p>Presentations to Industry</p> <p>Unit 6: Evaluations</p> <ul style="list-style-type: none"> Feedback from industry Improvements Evaluation of Learning <p>Exam preparation</p> |
| Assessment | <p>Homework: Edulink</p> <p>Tests: Vocabulary and terminology</p> <p>Design Project will be graded, and feedback given</p> | <p>Homework: Edulink</p> <p>Tests: Vocabulary and terminology</p> <p>Units 1 and 2 will be assessed and feedback given</p> <p>Mock exam: Feb</p> | <p>Homework: Edulink</p> <p>Tests: Vocabulary and terminology</p> <p>Unit 3 will be assessed, and feedback given</p> <p>Mock exam:</p> | <p>Homework: Edulink</p> <p>Tests: Vocabulary and terminology</p> <p>Units 4 and 5 will be assessed and feedback given</p> | <p>Homework: Edulink</p> <p>Tests: Vocabulary and terminology</p> <p>Units 1,2,3,4 and 5 will be assessed and feedback given</p> <p>Exam: Jan 20th</p> | <p>Re-sit opportunity for the exam</p> <p>Presentations to Industry</p> |