Hodgson Academy

BTEC Level 1/2 Tech Award in Construction and the Built Environment

KS4 Curriculum Overview

Construction and the Built Environment: Key Stage 4 Curriculum Overview

	Autumn Term		Spring Term		Summer Term	
	HT1	HT2	HT3	HT4	HT5	HT6
Year 10	**Component One: Construction Technology** **Students will be learning about low rise construction requirements.** LOA1 - Low rise construction requirements: Strength and stability LOA1 - Low rise construction requirements: Fire resistance LOA1 - Low rise construction requirements: Thermal resistance **Component Two: Construction in Practice (Carpentry and joinery)** **Students will be learning about risk assessments, measuring, marking and setting out and tools and materials.** LOA1 – Risk assessments LOA2 – Measuring, marking and setting out LOA3 – Tools and materials **Assessment:** **Summative assessment:** Component Two Mock - LOA1 Risk assessment	**Component One: Construction Technology** **Students will be learning about low rise construction requirements, sustainability and common structural forms for low-rise construction.** LOA1 - Low rise construction requirements: Sound reduction and absorption LOA1 - Low rise construction requirements: Weather resistance LOA2 – Sustainability LOA3 – Common structural forms for low-rise construction **Component Two: Construction in Practice (Carpentry and joinery)** **Students will be learning about jointing and incorporation of materials, accuracy in construction and dimension check on final outcomes.** LOB1 – Jointing and incorporation of materials LOB2 – Accuracy in construction LOB3 – Dimension checks on final outcome **Assessment:** **Summative assessment:** Component One Assessment – LOA LOA1 Low rise construction requirements, LOA2 Sustainability, LOA3 Common structural forms for low-rise construction	**Component One: Construction Technology** **Students will be learning about** LOB1 – Preconstruction work LOB2 – Sub-structure groundworks LOC1 – Superstructures: Walls **Component Two: Construction in Practice (Carpentry and joinery)** **Students will be learning about jointing and incorporation of materials, accuracy in construction and dimension check on final outcomes.** LOB1 – Jointing and incorporation of materials LOB2 – Accuracy in construction LOB3 – Dimension checks on final outcome **Assessment:** **Summative assessment:** Component One Assessment – LOB LOB1 Preconstruction work, LOB2 Sub-structure groundworks	**Component One: Construction Technology** **Students will be learning about** LOC1 – Superstructures: Walls LOC2 – Superstructures: Floors **Component Two: Construction in Practice (Carpentry and joinery)** **Students will be learning about jointing and incorporation of materials, accuracy in construction and dimension check on final outcomes.** LOB1 – Jointing and incorporation of materials LOB2 – Accuracy in construction LOB3 – Dimension checks on final outcome	**Component One: Construction Technology** **Students will be learning about** LOC2 – Superstructures: Floors LOC3 – Superstructures: Roofs **Component Two: Construction in Practice (Carpentry and joinery)** **Students will be learning about jointing and incorporation of materials, accuracy in construction and dimension check on final outcomes.** LOB1 – Jointing and incorporation of materials LOB2 – Accuracy in construction LOB3 – Dimension checks on final outcome **Assessment:** **Summative assessment:** Component One Mock Exam – LOA1 Low rise construction requirements, LOA2 Sustainability, LOA3 – Common structural forms for low-rise construction, LOB1 – Preconstruction work, LOB2 – Sub-structure groundworks	**Component Two: Construction in Practice (Carpentry and joinery) (PSA)** **Students will be learning about** LOA1 – Risk assessments LOA2 – Measuring, marking and setting out LOA3 – Tools and materials LOB1 – Jointing and incorporation of materials LOB2 – Accuracy in construction LOB3 – Dimension checks on final outcome **Assessment:** **Summative assessment:** Component Two (PSA) 30%
	Component Two: Construction in Practice (Carpentry and joinery) (PSA) **Students will be learning about** LOA1 – Risk assessments LOA2 – Measuring, marking and setting out	**Component Three: Construction and Design Students will be learning about** LOB1 – Development of sketching techniques: 3D sketching techniques LOB2 - Generation of sketch ideas in response to client needs: The design of	**Component Three: Construction and Design (PSA)** **Students will be learning about** LOA1 – Client needs: Building use and accommodation LOA1 – Client needs: Style and aesthetics	**Component Three: Construction and Design (PSA)** **Students will be learning about** LOA1 – Client needs: Building use and accommodation LOA1 – Client needs: Style and aesthetics	**Component One** **Component One: Construction Technology** LOA1 - Low rise construction requirements: Strength and stability	

Year 11	LOA3 – Tools and materials LOB1 – Jointing and incorporation of materials LOB2 – Accuracy in construction LOB3 – Dimension checks on final outcome **Component One: Construction Technology Students will be learning about** LOD1 – The type of work undertaken by the construction industry LOD2 The construction industry and the built environment **Component Three: Construction and Design Students will be learning about** LOA1 – Client needs: Building use and accommodation LOA1 – Client needs: Style and aesthetics LOA1 – Client needs: Sustainability LOA2 - Constraints on design: Resources LOA2 - Constraints on design: Environmental issues, planning and building control. LOA3 – Client brief for the design of a low-rise building: Writing a client brief	attractive, aesthetically pleasing structures and buildings LOB2 - Generation of sketch ideas in response to client needs: Concept ideas for external appearance LOB2 - Generation of sketch ideas in response to client needs: Concept ideas for internal appearance LOB2 - Generation of sketch ideas in response to client needs: Annotations and labelling **Component One** **Component One: Construction Technology** LOA1 - Low rise construction requirements: Strength and stability LOA1 - Low rise construction requirements: Fire resistance LOA1 - Low rise construction requirements: Thermal resistance LOA1 - Low rise construction requirements: Sound reduction and absorption LOA1 - Low rise construction requirements: Weather resistance LOA2 – Sustainability LOA3 – Common structural forms for low-rise construction LOB1 – Preconstruction work LOB2 – Sub-structure groundworks LOC1 – Superstructures: Walls LOC2 – Superstructures: Floors LOC3 – Superstructures: Roofs LOD1 – The type of work undertaken by the construction industry LOD2 The construction industry and the built environment	LOA1 – Client needs: Sustainability LOA2 - Constraints on design: Resources LOA2 - Constraints on design: Environmental issues, planning and building control. LOA3 – Client brief for the design of a low-rise building: Writing a client brief LOB1 – Development of sketching techniques: Freehand sketching LOB1 – Development of sketching techniques: 3D sketching techniques LOB2 - Generation of sketch ideas in response to client needs: The design of attractive, aesthetically pleasing structures and buildings LOB2 - Generation of sketch ideas in response to client needs: Concept ideas for external appearance LOB2 - Generation of sketch ideas in response to client needs: Concept ideas for internal appearance LOB2 - Generation of sketch ideas in response to client needs: Annotations and labelling **Component One** **Component One: Construction Technology** LOA1 - Low rise construction requirements: Strength and stability LOA1 - Low rise construction requirements: Fire resistance LOA1 - Low rise construction requirements: Thermal resistance LOA1 - Low rise construction requirements: Sound reduction and absorption LOA1 - Low rise construction requirements: Weather resistance LOA2 – Sustainability LOA3 – Common structural forms for low-rise construction LOB1 – Preconstruction work LOB2 – Sub-structure groundworks	LOA1 – Client needs: Sustainability LOA2 - Constraints on design: Resources LOA2 - Constraints on design: Environmental issues, planning and building control. 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			LOC1 – Superstructures: Walls LOC2 – Superstructures: Floors LOC3 – Superstructures: Roofs LOD1 – The type of work undertaken by the construction industry LOD2 The construction industry and the built environment **Assessment:** **Summative assessment:** Component Three (PSA) 30% Component One Mock Exam – Full Paper	Component Three (PSA) 30%		