

Canning Vale College 2020 – Assessment Outline

Year 12 GTBCN



Assessment Type	Assessment Type Weighting	Assessment Task Weighting	Due Date	Assessment Task	Syllabus Content
Design	20%	8%(46)	Term 1 Weeks 2-4	TASK 1: FOLIO :LANDSCAPING PROJECT(BACKYARD)	<p>Design processes</p> <ul style="list-style-type: none"> research and investigate different: <ul style="list-style-type: none"> design ideas devise similar design ideas using annotated graphics and sketches generate suitable 2D drawings with conventions for designed solution evaluate the result of the project against design criteria using simple statements
		12%(80)	Term 2 Weeks19-20	TASK 2:FOLIO :1 BEDROOM GRANNY FLAT STRUCTURE MODEL	<p>Design processes</p> <ul style="list-style-type: none"> research and investigate different: <ul style="list-style-type: none"> design ideas devise similar design ideas using annotated graphics and sketches generate suitable 2D drawings with conventions for designed solution evaluate the result of the project against design criteria using simple statements

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Production	50%	15%(60)	Week 21-25	TASK 3: WOOD PROJECT (1 BEDROOM GRANNY FLAT STRUCTURE MODEL)	Working with materials <ul style="list-style-type: none"> wood or metal frames and structures, including supportive trusses in construction different types of materials and construction methods timber joinery/cabinet work
		3%(60)	Week 2-3	TASK 4: SET OUT / LEVELLING EXERCISES(PEGS AND PAVED AREA)	Drafting <ul style="list-style-type: none"> operate levelling equipment
		5%(140)	Week 9-10	TASK 5: PAVING EXERCISES:-(RUNNING BOND, STACK BOND AND BASKET WEAVE PATTERNS)	Working with materials <ul style="list-style-type: none"> techniques to lay and finish paving with complex angular patterns, including: running bond and stack bond patterns basket weave
		10%(120)	Week 5-8	TASK 6: OXY/ARC /MIG WELDING EXERCISES(ON SAMPLE BOARD)	Working with materials <ul style="list-style-type: none"> welding procedures and materials oxy/acetylene electric arc MIG welding
		5%(55)	Week 26-27	TASK 7: MIG WELDING PROJECT:JOINTING TOOL	Working with materials

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					<ul style="list-style-type: none"> MIG welding
		5%(80)	Week 17	TASK 8: BRICKLAYING: STRAIGHT LINE BRICK/BLOCK LAYING AND POINTING (SINGLE LINE AND DOUBLE BRICK LAYING ,ARCHES AND WINDOW FITTING)	Working with materials <ul style="list-style-type: none"> straight line brick/block laying and pointing lime, mortar and cement
		5%(80)	Week 18	TASK 9: CONCRETING EXERCISE/CONCRETE SLAB MAKING)/(MATERIALS CONCRETING RESPONSE TASK)	Working with materials <ul style="list-style-type: none"> concrete
		2%(50)	Week 26	TASK 10: SOAK WELL FITTING EXERCISE	Structures and services <ul style="list-style-type: none"> the installation of services, including: <ul style="list-style-type: none"> water supply drainage sewerage
Response Tasks		1%(84)	Week 8	TASK 11:ENVIRONMENT & SUSTAINABILITY : INSULATION TYPES,PURPOSE AMD ENERGY TYPES IN BUILDING CONSTRUCTION	Environment and sustainability <ul style="list-style-type: none"> building insulation and its purpose the types of energy (electrical, heat, mechanical) used during construction recycling of building materials

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	15%				
		1%(75)	Week 4	TASK 12:INDUSTRY STRUCTURE AND SCOPE OF BUILDING CONSTRUCTION IN AUSTRALIA ,PROJECT MANAGEMENT	Planning and management <ul style="list-style-type: none"> the structure of the building and construction industries stages within a simple project management plan
		1%(45)	Week 1	TASK 13: IDENTIFICATION OF :SERVICES ON SITE	Structures and services the provisions for the supply of: <ul style="list-style-type: none"> on-site gas electric power water drainage sewerage
		1%(129)	Week 19	TASK 14: MATERIALS MSDS EXERCISE.	Materials Properties and selection <ul style="list-style-type: none"> properties of lime and cement to make composites, such as mortar, plaster and concrete

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		2%(84)	Week 13	TASK 15: ENVIRONMENTAL IMPACT OF WASTE, WATER ,SEWAGE DISPOSAL AND SERVICES INSTALLATION	Environment and sustainability <ul style="list-style-type: none"> demonstrate correct building waste disposal water and sewerage treatment environmental impact of the disposal of waste, water and sewerage
		2%(63)	Week 28	TASK 16 : MATERIALS AND PROPERTIES(MECHANICAL)AND SELECTION :TIMBER, METALS, MANSONRY, PLASTICS AND GLASS .RESEARCH ON NATURAL AND PRE-MADE CONSTRUCTION MATERIALS APPROPRIATE FOR DIFFERENT APPLICATIONS.	Materials Properties and selection <ul style="list-style-type: none"> material properties <ul style="list-style-type: none"> hardness elasticity conductivity flexibility strength
		5%(82)	Week 15-16	TASK 17: SCALED DIAGRAMS ,READING, INTERPRETATION OF PLANS AND ESTIMATES ON QUANTITIES, PERIMETER OF DRAWINGS, AREA OF DRAWN SHAPES AND VOLUME OF MATERIALS	Drafting

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					<ul style="list-style-type: none"> read and draw plans utilising fundamentals of practical geometry with orthogonal projection and industry conventions apply appropriate scaling of drawings recognise and use industry specific conventions and building and construction terminology
		1%(94)	Week 22	 TASK 18: FASTENERS, TYPES AND USES	<ul style="list-style-type: none"> a range of common fasteners associated with building and construction
EXTERNALLY SET TASK	15%	15%(100)	Week 15	TASK 19; EXTERNALLY SET TASK ALL STUDENTS ENROLLED IN THE BUILDING AND CONSTRUCTION GENERAL YEAR 12 COURSE WILL COMPLETE THE EXTERNALLY SET TASK DEVELOPED BY THE AUTHORITY. SCHOOLS ARE REQUIRED TO ADMINISTER THIS TASK IN TERM 2 AT A TIME PRESCRIBED BY THE AUTHORITY	Design processes <ul style="list-style-type: none"> devise similar design ideas using annotated graphics and sketches Drafting <ul style="list-style-type: none"> read and draw plans utilising fundamentals of practical geometry with orthogonal projection and industry conventions

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					<p>apply appropriate scaling of drawings</p> <ul style="list-style-type: none"> • estimate quantities ▪ perimeter of drawn shapes ▪ area of drawn shapes ▪ volume of materials <p>Materials</p> <p>Properties and selection</p> <ul style="list-style-type: none"> • natural and pre-made construction materials appropriate for different applications ▪ timber ▪ metals ▪ soil types ▪ masonry <p>Working with materials</p> <ul style="list-style-type: none"> • lime, mortar and cement • various portable power tools, equipment and hand tools employed in the building and construction industry

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					<ul style="list-style-type: none"> occupational safety and health (OSH) rules and regulations relating to the use of materials and processes.

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