

INDUSTRIAL TECHNOLOGY DEPARTMENT COURSE OUTLINE
SEPTEMBER 2025-JUNE 2026
BUILDING AND FURNITURE TECHNOLOGY (GRADE 11)

BUILDING TECHNOLOGY GRADE 11 (TERM 1 -CHRISTMAS)

PROPOSED THEME:

Building and Furniture Technology

No.	TOPIC	TERM & THEME	OBJECTIVES & CONTENT SUMMARY	ACTIVITIES & METHODOLOGIES	ASSESSMENT & DIFFERENTIATION	TIMEFRAME (TENTATIVE)
16.	Safety Refresher No. 1 (Term 1, Grade 10): Safety Refresher 1: Workshop rules, personal protective equipment, machine tool operation, fire safety and emergency procedures.					
	Sept. 8 – Sept. 19					
17.	SBA- Furniture Tech Project	Christmas – SBA & Planning	Draw selected project, outline steps, list materials Cutting list, tool use, layout, joinery Sanding, sealing, painting, varnishing	Sketching, listing, procedure writing Joinery practice, layout work Demos, practice sessions	Written submission/Plan sheet , feedback Skills checklist, project evaluation Finished sample, peer review	Sept. 22 – Oct. 31, 2025
18.	Foundations & Floors	Christmas – Structural Elements	Strip/pad foundations, formwork, floor framing,	Models, diagrams, group study	Quiz, short tasks, group presentations	Nov. 3 – Nov. 21, 2025

			timber floors			
19.	Staircase Construction	Christmas -Structural Elements	Types of stairs, components (treads, risers, stringers), stair layout and calculation	Diagrams, model making, stair calculations	Diagram tasks, short quiz, oral questions	Nov. 24 – Dec. 12, 2025

BUILDING TECHNOLOGY GRADE 11 (TERM 2 -EASTER)**PROPOSED THEME:**

Building and Furniture Technology

No.	TOPIC	TERM & THEME	OBJECTIVES & CONTENT SUMMARY	ACTIVITIES & METHODOLOGIES	ASSESSMENT & DIFFERENTIATION	TIMEFRAME (TENTATIVE)
20.	SBA – Architectural Project	Easter – Practical & Project Development	Understand and apply cutting lists, select appropriate tools, layout furniture components, and perform basic joinery techniques Identify and create basic joints (butt, lap, mortise & tenon, dowel)	Practical cutting list preparation, tool handling exercises, layout marking, hands-on joinery practice Joint model making Joinery poster	Practical project assessment, tool selection quiz, peer and teacher observation Practical assessment - Short written task	Jan. 12 – Feb. 6, 2026
21.	Walls	Easter– Structural Elements	Block laying, bonds, partitions, wall finishes	Brick bonding, videos, samples	Mini project, worksheet, questions	Feb. 9 – Mar. 6, 2026
22.	Doors & Windows	Easter – Project Development	Types, framing, hanging, fitting hardware	Demo, tool use, hardware fitting (Visual aid)	Hands-on test checklist	Mar. 9 – Apr. 7, 2026

BUILDING TECHNOLOGY GRADE 11 (TERM 3 -SUMMER)

PROPOSED THEME:

Building and Furniture Technology

No.	TOPIC	TERM & THEME	OBJECTIVES & CONTENT SUMMARY	ACTIVITIES & METHODOLOGIES	ASSESSMENT & DIFFERENTIATION	TIMEFRAME (TENTATIVE)
23.	SBA – Architectural Project	Summer –SBA & Planning, Project Development	Redesign a building component, draw orthographic views, list materials, outline procedures	Design sketches, drawing, planning	Project file, drawing rubric Plan sheet	Apr. 21 – May 9, 2026
24	Construction Project	Summer – SBA & Planning, Project Development	Draw project, outline steps, list materials	Drawing, group work, listing	Written project plan	May 12 – May 30, 2026
25	SBA Project	Summer – Final Project Compilation	Following SBA components completed -Core Plan sheets & Task re: -Furniture Project -Redesign Building Component -Construction project Site layout	Demonstration (Teacher-led) Practical- Hand -on	Plan check, feedback Self and Peer Evaluation Sheets Completion of SBA Log Plan sheets (CSEC Requirement)	June 2 – June 16, 2026