Port Moresby International School

P.O. Box 276, Boroko, Papua New Guinea
Phone +675 325 3166, Fax +675 325 4439
Owned and operated by the International Education Agency.

Unit & Assessment Semester Outline for Students & Parents Grades 11 – 12.

Year	2026	Semester	2	Grade	12	Unit Value	1
Curriculum		ACT BSSS Industry Technology Trades					
Subject Title/s		Furniture Making Pathways.					
Course Name		Furniture Making A/M/V Course					
Unit Name		Materials and Design					
Course Code		980RUC		Unit Code		1176	

Assessment Tasks

Week Due	Topic(s)	Type of Task	Weighting
3	Hand make timber joints	Materials Joints Assignment	20%
6	Three main types of joints	Unit Test	30%
8	Construction Techniques	Practical-Project (R&E)	50%

Learning outcomes against which the students will be reported

1.Evaluate environment and sustainability issues with in furniture making.

2. Demonstrates a thorough understanding and knowledge of workplace best practice and all key concepts throughout the unit.
3. Applies injury prevention management strategies and consistently identifies and demonstrates WHS practices.
4. Consistently demonstrates knowledge and understanding clearly and accurately through various forms (e.g. written, oral, visual)

Assessment Criteria

This course should enable students to:

1. Analyse industry practices, processes and procedures

2. Analyses technical information and specifications, demonstrate specific literacy and numeracy skills

3. Skills: Applies with high proficiency industry practices, processes and procedures to deliver a service and/or create a product.

4. Work independently and collaboratively in accordance with WHS principles and industry Standards.

Regulations governing ACT Late Submission of Work, Non-Submission of Work, Attendance, Cheating/Plagiarism, Grade Descriptors, Moderation Procedures, Method of unit score calculation, meshing procedures, Course information - are available from the BSSS website;

www.bsss.act.edu.au/home

Summary of Content

Weeks	Content Outline	Curriculum Links
1-2	Follow Occupational and safety procedures Hand make timber joints. Three main types of wood joints Work involves the use of tools to create-handmade joints	Furniture Making Pathways. Tech and Industrial Arts. Senior High. Gr11 & 12
3-4	Arc Welding. What is arc welding? Advantages and disadvantages. The arc welding machine. Parts and functions. Electrodes. Principles of the arc.	Furniture Making Pathways. Tech and Industrial Arts. Senior High. Gr11 & 12
5-6	Joint construction techniques 1. Arc welding joints. 2. Practical. Workshop bench stool project. 3. Material List. Square hollow tube. 25mm X 25mm	Furniture Making Pathways. Tech and Industrial Arts. Senior High. Gr11 & 12
7-8	Assembling • Affix to wooden seat for the top. • Drilling and fastening using metal screws.	Furniture Making Pathways. Tech and Industrial Arts. Senior High. Gr11 & 12
9-10	Project Completion Surface preparation. Metal primer Finish application Testing and Evaluation	Furniture Making Pathways. Tech and Industrial Arts. Senior High. Gr11 & 12
11-12	Exam Revision	Furniture Making Pathways. Tech and Industrial Arts. Senior High. Gr11 & 12
13-14	Grade 12 External Examinations	
15-16		
17-18		
19-20		