Class Term Planner
7 TMT
Term Rotation

Trinity Bay SHS
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Class: Year 7 Material & Technology Specialisations (7TMT)

Week	Curriculum Intent	Assessment x 2	Feedback (Continual)
Wk1	**MARBLE GAME**: **Introduction to ITD Workshop safety.** Marble Game Workbook. Elaborate about Design Brief. Understanding of design constraints. Sketch 4 Marble game ideas.		Teacher lead
Wk2	**MARBLE GAME : Understanding what a successful design looks like**. Full scale final design Scale drawing transferred to ply material Marble locations drilled and sanded.		Teacher lead
Wk3	**MARBLE GAME: Frame construction** Measure, cut, pre-drill and sand all pieces ready for assembly.		Teacher lead
Wk4	**MARBLE GAME: Frame assembly** Nail and glue frame together. Attach to base. Complete artistic design Varnish -Workbook (finishing techniques) 1st coat Varnish		Teacher lead
Wk5	**MARBLE GAME: Marble Game assembly** Drill 4 x holes in acrylic 2nd coat Varnish		Teacher feedback
Wk6	**PENCIL CASE- RECAP to ITD Workshop safety.** Product example and plan reading Workbook- Developing criteria for successful outcomes.		Teacher lead
Wk7	**PENCIL CASE- Base construction** Measure and Cut 42mm x 12mm Mark rebate and sand ready for assembly.		Teacher lead
Wk8	**PENCIL CASE- Assembly** Assemble frame and nail to 3mm ply base Cut and sand sliding lid to size and drill finger hole (15mm) Sand base and frame neatly, nail punch and putty.		Teacher lead
Wk9	**PENCIL CASE-** Add design to lid (Burn or Colour) Varnish complete job 1st Coat.		Teacher feedback
Wk 10	**PENCIL CASE- Completion and Evaluation** 2nd coat varnish Workbook evaluation and completion of unit.		**Feedback on results for term.** Upload to OneSchool

Class Course Planner
8 TMT
1 Semester Rotation

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Class: Year 8 Materials and Technologies Specialisations (TMT)

TERM 1 - CADDY			
Week	**Curriculum Intent**	**Assessment x 1**	**Feedback ongoing**
Wk1 Prac	INTRODUCTION TO WORKSHOP INDUCTION TO SAFEWORK PROCESSES AND TOOL SAFETY. Hand out Design Booklet, Discuss project and folio requirements		
Wk1 CAD	Begin Project designs in workbook		
Wk2 Prac	**BBQ Caddy** Mark out and cut material for frame Demo use of Disc sander		
Wk2 CAD	Continue Project designs in workbook		
Wk3 Prac	Continue marking out and cutting material for frame Cut out slot in front and rear piece		
Wk3 CAD	Complete Design Tasks in booklet		Teacher feedback
Wk4 Prac	Demo marking out and cutting rebate joint Students make 2 rebate joints		
Wk4 CAD	Introduction to Inventor. Begin drawing from the booklet		
Wk5 Prac	Students finish rebate joints. Demo nailing and gluing frame. Students begin frame assembly.		Teacher feedback
Wk5 CAD	Continue with Inventor assessment booklet		
Wk6 Prac	Students continue frame assembly. Demo nail punching, puttying and sanding. Students begin. Demo marking out and nailing of base. Students begin attaching base.		
Wk6 CAD	Completion of Inventor 3D Drawing of BBQ Caddy frame		Teacher feedback
Wk7 Prac	Students continue attaching bases. Students cut out handle. Demo marking out and drilling holes. Students begin		
Wk7 CAD	Continue with Inventor assessment booklet		
Wk8 Prac	Students continue attaching bases. Students cut out and sand handle + housing joint. Demo marking out and drilling holes. Students begin.		
Wk8 CAD	Continue with Inventor assessment booklet		Teacher feedback
Wk9 Prac	Demo attaching handle + housing joint. Students begin. Students sand their caddy ends		
Wk9 CAD	Students work on backing plywood graphics		
Wk10 Prac	Students complete backing plywood graphics and attach to base.	Submit for assessment	Feedback on results for term.
Wk10 CAD	Students complete project evaluation. Students complete extra 3D Inventor drawing exercise	Submit folio for assessment	

Class Course Planner
9 ITS Term 1

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Class: Year 9 Industrial Technology Skills (ITS)

Week	Curriculum Intent	Assessment	Feedback ongoing
1	Wishing Well: Introduction to ITD Workshop safety		
2	Understanding what a successful project looks like Full scale final project Scale drawing utilised		
3	Base construction Base, uprights Base: Measure, cut, and sand all pieces ready for assembly. Use of pneumatic nail gun. Checking for square.		
4	Base construction, uprights/gable construction Base, uprights Base: Measure, cut, and sand all pieces ready for assembly. Use of pneumatic nail gun. Checking for square. Uprights: Measure, cut, and sand all pieces ready for assembly. Use of pneumatic nail gun. Checking for correct angles. 1st coat Varnish - base		
5	Base construction, uprights/gable construction Base, uprights Base: Measure, cut, and sand all pieces ready for assembly. Use of pneumatic nail gun. Checking for square. Uprights: Measure, cut, and sand all pieces ready for assembly. Use of pneumatic nail gun. Checking for correct angles. 1st coat Varnish - base		
6	Body/Roof construction Body: Measure and sand all pieces ready for assembly. Use of pneumatic nail gun. Checking for square. Roof: Measure and sand all pieces ready for fascia assembly. Use of pneumatic nail gun. Checking for square		
7	Body/Roof construction Body: Measure and sand all pieces ready for assembly. Use of pneumatic nail gun. Checking for square. Roof: Measure and sand all pieces ready for fascia assembly. Use of pneumatic nail gun. Checking for square. Add internal brace		
8	Body/Roof construction Body: Measure and sand all corner pieces ready for assembly. Use of pneumatic nail gun. Checking for square. 2nd coat Varnish		
9	Roof construction Metal Roof: Measure and cut Colourbond for roof. Fold ready for assembly. Use of battery drill.		
10	Roof construction Metal Roof: Measure and cut Colourbond for roof. Fold ready for assembly. Use of battery drill. Workbook evaluation and completion of unit.		

Class Course Planner
9 DAT Term 1

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Class: YEAR 9 DESIGN AND TECH/MANUFACTURE

WEEK	SEQUENCE OF KEY TEACHING AND LEARNING EXPERIENCES	
Week	Curriculum Intent	Assessment & Feedback
T1 Wk1	Examine task and research Wooden Toy design considerations and construction techniques.	Initial research and design process introduction.
T1 Wk2	Continue design process: Ideation, sketching, refinement. Explore toy function, user needs, sustainability.	Informal peer feedback on early sketches.
T1 Wk3	Finalise design: full-scale sketch, colour rendering. Begin cutting list and material selection.	Design folio checkpoint.
T1 Wk4	Begin construction: measure and mark timber using steel rule and try-square. Cut components using hand tools and machinery.	Feedback on tool use and safety procedures.
T1 Wk5	Develop a series of sketches, leading through to a final design solution. Create a cutting list of materials you will use to make your Wooden Toy project.	**Submit completed Designs and Cutting List by due date.**
T1 Wk6	Continue construction: shaping, joining, sanding. Collaborate and share equipment.	Informal feedback on construction quality.
T1 Wk7	Assemble toy components. Begin surface preparation: sanding and undercoating.	Mid-project evaluation.
T1 Wk8	Paint and decorate toy. Apply finishing techniques. Reflect on design choices.	Feedback on finish and presentation.
T1 Wk9	Using tools, materials and processes, students will manufacture their final design solution.	Submit completed Wooden Toy by the due date.
T1 Wk10	Reflect upon work practices employed, Occupational Health & Safety and the quality of your completed Wooden Toy. Critically reflect on what you could improve in an evaluation.	Final evaluation and reporting.

Class Course Planner
10 ITS Term 1
SMALL TABLE

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Class: *Year 10 Industrial Technology skills*

T1 Wk1	• **Introduction to subject, WH&S, assessment, workshop expectations** • **Practice joints – MORTICE AND TENON, Biscuit machine safe use.**		**Course Planner** Check marking out
T1 Wk2	• **Mark out and cut and legs to length.** • **Cut all mortice joints. One Frame is by machine; one frame is completed with hand skills:** ○ **2 x Mortice machine** ○ **2 x mallet and chisel**		Check marking out
T1 Wk3	• **Cut side rails to length** • **Mark side rails for rebate joint with main rails** • **Cut rebate joints** • **Kreig Jig the top rails on both sides before sub assembly.** • **Complete sanding before sub assembly** • **Glue and clamp side assemblies together**		Check marking out
T1 Wk4	• **Cut material for TOP** • **Biscuit join, glue and clamp top together** •		
T1 Wk5	• **Assemble leg frames x 2** • **Complete top ready to attach.** **- Round over edges** **- sand** **- laser (if required)** **- apply 1 coat of varnish**		Check marking out
T1 Wk6	• **Complete all components ready to assemble** • **Sand product to a final finish**		Check marking out
T1 Wk7	• **Begin assembly of all TABLE** • **Extension: Students can add a shelf to the bottom rail assembly, using the skills they have already developed this unit.**		
T1 Wk8	• **Complete all work ready to varnish**		
T1 Wk9	• **Sand project and begin to varnish** -3 x coats, lightly sanded before applying next coat • **Complete varnishing and submit for assessment late this week**		Check marking out
T1 Wk10	• **Begin practice dovetail joints.** • **Explicitly teach how to mark them and the importance of accurately cutting and chiselling. Hand skills developed this term should assist this part.**	Mark progress	Give feedback after assessment **Achievement Ladder**

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Class Course Planner
11BSK Term 1

Class: *Year 11 Building & Construction*

Term Week	Curriculum Intent	Assessment x 3	Feedback x 3
T1 Wk1	**Unit 1 Assessment 1- Site preparation and Foundation Practical Demonstration-Concrete Paver** Introduction to BSK and Course overview -workshop requirements -assessment requirements -Workplace, Health and Safety requirements -Roles and responsibilities	Visual Safety Assessment throughout the projects	**Course Planner** Continual feedback given throughout the projects
T1 Wk2	**Site preparation and Foundation- Concrete Paver** Begin form work construction		
T1 Wk3	**Site preparation and Foundation- Concrete Paver** Continue formwork construction		
T1 Wk4	**Site preparation and Foundation- Concrete Paver** Cut form base for assembly (15mm PLY)		
T1 Wk5	**Site preparation and Foundation- Concrete Paver** Assemble form work to form base. Update and submit DRAFT JOURNAL.	**DRAFT-Journal up to date**	
T1 Wk6	**Site preparation and Foundation- Concrete Paver** Final assembly and check form work ready to pour.		
T1 Wk7	**Site preparation and Foundation- Concrete Paver** Pre-mix and pour concrete paver		
T1 Wk8	**Site preparation and Foundation- Concrete Paver** Pre-mix and pour concrete paver		
T1 Wk9	**Site preparation and Foundation- Concrete Paver** Strip down paver formwork and submit for grading. Finish and submit FINAL JOURNAL	**UNIT 1 ASSESSMENT 1 FINAL** Paver and Journal	**OneSchool reporting**
T1 Wk10	**Unit 1 Assessment 2-Project** **Site preparation and Foundation- Setting, forming and construction of a garden walkway.**		

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Class Course Planner
11 FUR Term 1

Class: YEAR 11 FURNISHINGS

Term Week	Curriculum Intent	Assessment x 1	Feedback x 4
Wk1	Workshop induction. Course introduction	CONTINUAL	CONTINUAL
Wk2	**UNIT 1 ASSESSMENT 1 – Furniture making** **Practical Demo** Timber Foot Stool – Project planning, Feet construction		
Wk3	**Practical Demo** Timber Foot Stool –Feet construction		
Wk4	**Practical Demo** Timber Foot Stool –Top construction and assembly		
Wk5	**Practical Demo** Timber Foot Stool –Top construction and assembly		
Wk6	**Practical Demo** Timber Foot Stool –Rail construction and assembly		
Wk7	**Practical Demo** Timber Foot Stool –Rail construction and assembly		
Wk8	**Practical Demo** Timber Foot Stool –Project assembly and finishing Multimodal draft		
Wk9	**Practical Demo** Timber Foot Stool – Project varnishing. Project submitted Multimodal presentation completed and submitted	**UNIT 1 ASS 1 DUE** **Multimodal presentation due**	
Wk10	INTRODUCTION TO **UNIT 1 ASSESSMENT TASK 2** **INDIVIDUAL PROJECT – Folding Step Stool**		EMB UPDATE OnseSchool

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Class Course Planner
12 BSK Term 1

Class: *Year 12 Building & Construction*

Term Week	Curriculum Intent	Assessment	Feedback x 3
T1 Wk1	**Unit 3 Assessment 5-Fixing and Finishing** **Practical Demonstration-Individual** Introduction to assessment task- **Scaled Timber deck** -workshop requirements -assessment requirements -Workplace, Health and Safety	Assess practical skills throughout project.	Continual feedback given throughout the project
T1 Wk2	**Unit 3 Assessment 5-Fixing and Finishing** -Plan reading -Construction planning -Material collection -Create cutting list		
T1 Wk3	**Unit 3 Assessment 5-Fixing and Finishing** -Cut to length, dress and pre-drill timber joist		
T1 Wk4	**Unit 3 Assessment 5-Fixing and Finishing** -Cut to length, dress and pre-drill timber decking		
T1 Wk5	**Unit 3 Assessment 5-Fixing and Finishing** -Begin assembly of deck structure (Joist frame)	**DRAFT -Journal up to date and submit**	
T1 Wk6	**Unit 3 Assessment 5-Fixing and Finishing** -Complete decking sub structure. -Begin laying deck boards		
T1 Wk7	**Unit 3 Assessment 5-Fixing and Finishing** -Complete deck laying -Nail punch and sand		
T1 Wk8	**Unit 3 Assessment 5-Fixing and Finishing** -Varnish 3 x coats		
T1 Wk9	**Unit 3 Assessment 5-Fixing and Finishing** -Complete all work.	**ASSESSMENT TASK COMPLETE** **Product-U3A5** **Response-Multimodal Journal**	OneSchool reporting
T1 Wk10	**Unit 3 Assessment 6-Fixing and Finishing** Group Project and Individual response (PowerPoint) Introduction to assessment task 6-Group **Project- Knock down Timber Deck**		

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Class Course Planner
12 FUR Term 1

Class: YEAR 12 FURNISHINGS

Term Week	Curriculum Intent	Assessment x 1	Feedback x 4
T1Wk1	**UNIT 3 ASSESSMENT 5** **Cabinet Making- Prac Demo** SLIDING DRAWER Assessment expectations Plan reading	Continual	Continual
T1Wk2	Cutting and edging techniques- Whiteboard focused Cut panels to size Mark edges for edging Mark out for predrill		
T1Wk3	Iron on edging File back and clean boards Assemble draw carcass Attach 3mm Ply base (glue and nail)		Continual feedback given throughout the project
T1Wk4	Cut drawer front to size Edge all edges Drill hole location for handle 4mmDIA Assemble (glue, screw and nail fix as per plan)		
T1Wk5	Complete assembly (attach draw front, then fit handle) White Crayon nail holes Clean job for final presentation.		Continual feedback given throughout the project
T1Wk6	**Complete Powerpoint Presentation for UNIT 3 ASS 5.** **Introduction to UNIT 3 ASSESSMENT 6 Project** **Cabinet making- Small Cabinet** Assessment requirements Plan reading Hinge fitting techniques		
T1Wk7	Create cutting list for flat pack components Begin cutting flat pack (cross check and mark off panels once cut)		Continual feedback given throughout the project
T1Wk8	Continue cutting flat pack Edge panels where required (iron on and file back edging)		
T1Wk9	Continue flat pack cutting list and label all panels Edge panels where required (iron on and file back edging)	**UNIT 3 ASSESSMENT 1 DUE** **Project and PowerPoint**	
T1Wk10	Continue flat pack cutting list and label all panels Edge panels where required (iron on and file back edging) Update draft folio (paper draft booklet)		