

Stages	Resources required	Time	Safety / Other Tips	What I plan / need to do in this stage. Notes: Outline the steps in order:
Pattern Preparation info	<ul style="list-style-type: none"> • Master patterns • Newsprint • Set square • Mock-up T.shirts • Stretch fabric colours 	2 lessons	<ul style="list-style-type: none"> • Name all your pattern pieces. • Store all work in tie-dye bags. • Clothes changes in mirror room. 	<ul style="list-style-type: none"> • Try on the Mock-up T.shirts. Choose size and style. Record on teacher class list. • Choose colour fabric. Record on teacher class list. • Identify which pattern pieces you need from the master pattern bags. • Trace and make own copy of the master pattern on newsprint.
Pattern Lay-plan rules	<ul style="list-style-type: none"> • Practice lay-plan handout • Visual diary • Own newsprint paper patterns. • Pins • Scissors • Fabric • Table space • Tie-dye bag to store work 	1 lesson	<ul style="list-style-type: none"> • Check folds. • Double fold and single fold. 	<ul style="list-style-type: none"> • Practice on paper lay-plan diagram first. • Teacher demonstrate cutting out on real fabric – keep as the demonstration sewing T.shirt. <p>Rules:</p> <ul style="list-style-type: none"> • Place pattern pieces wisely. Do not waste the fabric. • NEVER cut the fold. • All hems pointing in the same direction. • Greatest stretch of fabric goes around the body. • Don't overlap pattern pieces. • Pin, check, cut – in that order. • Front and back first. Double fold. • Sleeve and neckband second. Single fold. • Save all fabric scraps for screen-printing tests.
Cutting out rules	<ul style="list-style-type: none"> • Visual diary • Own newsprint paper patterns. • Pins • Scissors • Fabric • Table space • Tie-dye bag to store work 	2 lessons	<ul style="list-style-type: none"> • Care with scissors and pins. • Check, check, check again – then cut. • No wrinkles in fabric – smooth it out so flat on table. 	<ul style="list-style-type: none"> • Work in buddy pairs. • Follow the lay-plan rules. • Pin, buddy check, teacher check, then cut. • 'Lines of fabric' must go down length of body. • Pattern pieces must right up against the fold-line.

Screen-printing rules	<ul style="list-style-type: none"> • <i>Separate templates for each 'layer' of the print design.</i> • <i>Templates</i> • <i>Block-out paper</i> • <i>Printing inks</i> • <i>Newsprint</i> • <i>Sellotape</i> • <i>Newspaper</i> • <i>Squeegee, spoons, lid tray, rubber scraper...</i> • <i>Test print fabric</i> 	<i>Approx 5 lessons per print</i>	<ul style="list-style-type: none"> • <i>Aprons</i> • <i>Windows open</i> • <i>Blazers off</i> • <i>Hair tied back</i> • <i>Sleeves rolled back past elbows</i> • <i>Cutting knives – cutting boards, care when cutting.</i> • <i>Clean screens with correct sponge or scrubber. Cold water only. Screen must be cleaned spotlessly on both sides of mesh.</i> 	<ul style="list-style-type: none"> • <i>Sew T.shirt first.</i> • <i>Work out the 'layers' of your print and create all necessary templates.</i> • <i>Check design with teacher and talk through all the 'layers', steps, difficulties, sizes of screens</i>
Pressing Machine rules	<ul style="list-style-type: none"> • <i>Pressing machine</i> • <i>Cover cloths</i> • <i>T.shirt.</i> 	<i>1 lesson</i>	<ul style="list-style-type: none"> • <i>Two hands at all times.</i> • <i>Cover cloth at all times – cover the T.shirt.</i> • <i>Close lid and count to ten.</i> 	<ul style="list-style-type: none"> • <i>Allow machine to heat up.</i> • <i>Set temperature to in between - wool and cotton.</i>

Stages	Resources required	Time	Safety / Other tips	What I need to do in this stage – notes / diagrams
<p>Sewing Step diagrams as needed.</p>	<p><i>For all sewing steps:</i></p> <ul style="list-style-type: none"> • Pattern pieces • Pins • Sewing machine set to zig-zag. • Stitch width – 4 • Stitch length – 4 • No:1 or 0 presser feet • Matching colour thread • Over-locker • Scissors 		<ul style="list-style-type: none"> • PZCO = • Pin, zig-zag, check, over-lock. • See Textiles room safety rules from start of year. • Reminder of how to use over-locker – do a practice test sewing sample on scrap stretch fabric. • Over-locker safety rules. • Zig-zag first – check sewing, then overlock on top of zig-zag stitching. – In that order. 	<p>1: Sew shoulders. Front to back. Right sides together. (PZCO)</p> <p>2: Over-lock the sleeve hem edge.</p> <p>3: Sew the sleeves into the armholes. Right sides together. (PZCO)</p> <p>4: Sew the side seams. Right sides together. Go down the sleeves, across the armhole join, down the sides – all in one seam. (PZCO)</p> <p>5: Over-lock around the body lower hem edge.</p> <p>6: Sew the body lower hem. (2cm minimum turn-up). Zig-zag or ‘stretch’ straight sewing.</p> <p>7: Sew the sleeve hem. (2cm minimum turn-up). Zig-zag or ‘stretch’ straight sewing.</p> <p>8: Join the neckbands into a loop and sew the short edge. (PZCO)</p> <p>9: Fold neckband in half. Wrong sides together. (PZC) Zig-zag on the raw edge all around the neckband loop.</p> <p>10: Sew the neckband into the neckline. (PZC) CHECK.</p> <p>11: CAREFULLY over-lock the neckband seam-line.</p> <p>12: Quality control check.</p> <p>13: For V-neckbands – mark the v-line and straight sew into place.</p> <p>14: Press T.shirt at iron – then a ‘Finishing’ press on the Elna-Press machine.</p>

Evaluate the plan –

Time, resources, problem solving, successes, issues, skills, sources of information / resources, quality of construction, what I should improve.....

What worked well, what didn't, etc.... explain – giving reasons.....

What modifications did you have to do to the plan during your construction? – what, why, how....

Teacher NOTES:

For 'Plan' MYP assessment criteria, student should complete the following:

1. Fill in the above 'Resources / Construction Order' chart – as each step is described, demonstrated by the teacher. Students should be recording the information in own words to demonstrate understanding. No photocopied instructions.
2. Complete the evaluation planning questions at completion of screen-printing.
3. After construction of T.shirt – students to write up a 'screen-printing Plan in their book – for their own T.shirt.
 - Colours of ink...
 - Templates needed – how many, what types (silk screen OHT, Photographic mesh...)
 - Quick thumbnail sketch of each template needed...
 - What order to print in...
 - Heat setting when...
 - Quality control checks...
4. Complete the 'self / peer' assessed agreed quality standards checklists.
5. Teacher to assess T.shirt with the student.