

**Seminar Series For Middle Managers: NSS
Curriculum and Assessment Planning
Technology and Living (TL)**

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Panel Head of TL

**St. Catharine's School For
Girls**

21 April 2011

School Background

- Class size

Level	No. of students	Subject Name	No. of electives
S.1 & S.2	36 girls X 10 classes = 360 girls	H.E (HM/NW) Alternate lesson for every two weeks	NA
S.3	40 girls x 6 classes = 240 girls		
S.4	24 girls	T L (Fashion, Clothing & Textiles Strand)	3X
S.5	15 girls		2X / 3X

- **Facilities**

- **Food Technology Room**

- 2 rooms for practical work till Apr 2011, 1 room only from

- Sep 2011 onwards)

- **Fashion Technology Room**

- 2 rooms for practical work

- The senior room was renovated in recent years:

- New demonstration table

- New computer , A3 printer, projector and mirror

- New storage cupboard

- Lockers for S.4 and S.5 TL girls

- New magazine rack

- New book shelves





- Manpower

	S.1 to S.3		S.4	S.5	S.6
	HM	NW	T L		
Teacher A	✓				
Teacher B	✓	✓			
Teacher C		✓			
Mrs Yeung		✓	✓	✓	✓

Choice of Electives

2009-2010

Elective Subject	Classes					
	D	MA	M	PE	P	R
1 ST X	BAFS	BIO	ECON	CHEM	BAFS	BIO
2 nd X	GEO/ICT/CHIS			GEO/ECON/CHEM/ICT		
3 rd X	CLIT/ T&L /P&C/ECON			HIST/VA/BAFS/PHY		

2010-2011

Elective Subjects	Class					
	D	MA	M	PE	P	R
1st X	BIO	BID	BAFS	ECO	BAFS	ECO
2nd X	CHEM	COM. SCI.	ECO	GEO	CIT/ V.ART	BAFS
3rd X	PHS	GEO/ HIST/ CIT		C.HIST/ C.LIT/ T&L / REL & ETH		
Maths	M2	M1	M1	-	-	-

Based on the following, 20 students are selected to study T&L (Fashion, Clothing and Textiles Strand)

1. Student preferences - student interests and choices
2. Number of places available for different subjects
-school resources
3. Academic performance of students

Lesson Time (5-day week)

	S.4	S.5	S.6
Standard Lesson	$\left. \begin{array}{l} 2 \\ 2 \\ 1 \end{array} \right\} \begin{array}{l} 5 \times 30 \\ \\ 150L \end{array}$	$\left. \begin{array}{l} 2 \\ 2 \\ 1 \end{array} \right\} \begin{array}{l} 5 \times 30 \\ \\ 150L \end{array}$	$\left. \begin{array}{l} 2 \\ 2 \\ 1 \end{array} \right\} \begin{array}{l} 5 \times 19 \\ \\ 95L \end{array}$
Supplementary lesson	-	1/ week 24L	-
Total lesson	154 lessons	174 lessons	95 lessons

Total lesson hours over 3 years: $(154+174+95)$ lessons = 328 lessons

328×35 mins = 11,480mins = 191.3 hours

78.7hours less than the CDC suggested lesson time of 270 hours

Progression of Learning from S.1 - 6 (refer to handout)

	S1	S2	S3	S4	S5	S6
Compulsory Part						
Fashion Design	Design of embroidery work	Design principles - balance - emphasis	Design elements - silhouette - lines - colours - figure type - figure template - fashion sketching	- fashion design basic - fashion design presentation - fashion design process		
Clothing Technology	- basic stitches\ - use of sewing machine	- sewing notion - open seam - appliqué	- trimmings - appliqué on lay/on-lay - underlay - machine embroidery	- skirt - trousers	- simple dress / night dress - mock-up - industrial technologies	
Textile Technology		Interesting use of fabric	Cotton		- fibres - blending - newly developed fibres - fabric construction	

	S1	S2	S3	S4	S5	S6
Compulsory Part						
				Family Dimension	Consumer behaviour	
Elective Part						
Culture and Fashion Design			National costume		<ul style="list-style-type: none"> - cultural value and fashion - fashion trends - fashion designers - total image 	
Textiles and Textiles Technology						<ul style="list-style-type: none"> - yarn - fabric construction - fabric colouration - printing - finishing - fabric quality - latest development and environmental issues

Considerations when planning the S4 - 6 TL Teaching Schemes

- To acquire the learning of Fashion Design, Textiles and Clothing Technology, Creativity, Presentation Skills through the making of a garment.

Advantages: 3R

- Realistic experience
- Related to the trends
- Re-do/Adjust according to the needs and situations

Considerations when planning the S4 - 6

TL Teaching Schemes (cont'd)

- To arouse students' interest and nurture their generic skills through a wide range of learning activities, e.g. OLE, visits, Fashion Exhibitions, Fashion Design Competition and Experiments

Considerations when planning the S4 - 6

TL Teaching Schemes (cont'd)

- To show teacher's concerns to students' varied abilities / diversities
 - individual coaching
 - use of long / short questions
 - differentiated exercises with different levels of difficulties

Secondary 4 Technology and Living (Fashion, Clothing and Textiles Strand) - Teaching

Schedule

Week	Theme	Topics	Lesson Target	Lesson Teaching Points
S4 Wk 1-9 (24 hrs)	Healthy Family Life in New Millennium	<u>Family Dimension</u> Wk 3-4 •What is a family? •Value of families and Role in Society. •Milestones of Family Life •Family Structures	1. To conceptualize the knowledge of family dimension in Hong Kong in the 21st Century 2. To respond sensitively to diversity among individuals and families	1. different aspects of family dimension, including its meaning, roles of family members, milestones of family, family structure and its development in Hong Kong during the last 4 decades.

*Please refer to appendix 1.

Concerns – Family Dimension

- **Students' interest**

Students did not show their interest and could not link family to fashion and clothing.

- **TL and LS**

Some contents may be repeated in Liberal Studies: Personal Growth and Social Relationship.

- **Duration**

The topic will be taught for 2 weeks

S.4 Organisation of Lesson Topics

Fashion Design (single period)		Clothing Technology (double period)	
Fashion Design Basic	<ul style="list-style-type: none"> • Types of fashion design • Silhouette / shape and size 	Skirt	Types and styles, basic block, pattern adaptation
	<ul style="list-style-type: none"> • Lines and direction • Colours • Fabric pattern and texture 	Trousers	Types and styles, basic block, pattern adaptation and specifications
Fashion Design Presentation	<ul style="list-style-type: none"> • Graphic skills • Fashion illustration • Presentation skills • Layout of presentation boards 	Construction of garment	Fullness arrangement, pocket, seams, fastenings, waist and hem finishes
Fashion Design Process	<ul style="list-style-type: none"> • Design development • Presentation of drawing • Mood and colour board 		
	Principles of fashion design	Bodice block	Basic bodice block, basic sleeve block

Adjustment

- ***F.4 Scheme of Work 2010-11 (Compulsory Part)***
- Double lesson on every Wed. and Fri.

2L	Skirt (1)	<ol style="list-style-type: none"> 1. Definition of skirt 2. Length of skirt 3. Types of skirt 4. Different styling of skirt
2L	Skirt (2) Taking Measurement	<ol style="list-style-type: none"> 1. Taking measurement for making skirt: - reasons, rules and methods of taking body measurements
2L	Skirt (3) Basic skirt Blocks	<ol style="list-style-type: none"> 1. Drafting of basis skirt Blocks (Front and Back) 2. Introducing the use of French curve/ruler 3. Drawing waist lines hip lines and hem lines 4. Drawing waist-dart
4L	Skirt (4-5) Skirt Adaptation (6)	<p>Adaptation of</p> <ul style="list-style-type: none"> - A- lined skirt - Gathered skirt - Flared skirt (closing the darts) - Gored skirt - Pleated skirt (inverted + box) <ul style="list-style-type: none"> · Types of pleats - Skirt with yoke <ul style="list-style-type: none"> · uses of yoke

2L	<p>Trousers / shorts/ culottes (1)</p> <p>Adaptation of culottes</p>	<ol style="list-style-type: none"> 1. Definition of trousers, short and culottes 2. Different Length 3. Talking measurement for making trousers/ shorts <ul style="list-style-type: none"> - Crotch depth - Crotch length - Trouser length 4. Adapt a shirt blocks to culottes blocks. <ul style="list-style-type: none"> - Crotch line drafting
2L	<p>Trousers/ shorts/ culottes (2)</p> <p>Basic Trouser Block</p>	<ol style="list-style-type: none"> 1. Drafting of Basic Trouser Block) Front and Back) <ul style="list-style-type: none"> - Waist line - Crotch line - Darts drafting - inner leg - Hem line - CF & CB
2L	<p>Sts practical work</p>	<p>-</p>

2L	Trousers/ shorts/ culottes (3)	Adaptation of <ul style="list-style-type: none"> - Flared hem/ flared style - $\frac{3}{4}$ length - Shorts - Hipster waist line - Bell-bottom hem
2L	Trousers/ shorts/ culottes (4)	Drafting the patterns on <ul style="list-style-type: none"> - patch pocket - front hip pocket - side-scram pocket - waist band - waist facing - belt carrier
2L	Trousers/ shorts/ culottes	<ul style="list-style-type: none"> - Discussion about designs of trousers and pattern adaptations - Examples of adaptations - Add allowance and pattern specifications - Points to note for buying materials
4L	Trousers/ shorts/ culottes	Students practical work

2L	<p>Construction of skirt (S) and Trousers (T) (1)</p> <p>Order of work for making trousers</p>	<ol style="list-style-type: none"> 1. Lay and cut out the patterns of trousers 2. Transfer the pattern specifications 3. order of work
2L	-	Open Day
6L	<p>Construction of S & T (3)</p> <p>Fullness</p>	<ul style="list-style-type: none"> • Uses of fullness • Types <ol style="list-style-type: none"> 1. Tucks 2. Shirring 3. Elastic cord and band 4. Gores
6L	<p>Construction of S & T (3)</p> <p>pocket</p>	<ol style="list-style-type: none"> 1. Choices of pockets 2. Types 3. points to note when making pockets <ul style="list-style-type: none"> -patch pocket - front – hip pocket - seam pocket

4L	Construction of S & T (4) (5) Seam	<ol style="list-style-type: none"> 1. Choices of Seams 2. Types 3. Method of making <ul style="list-style-type: none"> -Open seam -Double-stitched -French seam -Overlaid seam
4L	Construction of S & T (6) (7) Zipped Opening	<ol style="list-style-type: none"> 1. Choices of opening 2. Types 3. Method of making <ul style="list-style-type: none"> - fly-front zip opening - concealed zip opening - semi-concealed zip opening
4L	-	Crotch Seam of making trousers Students' Practical Work

4L	Construction of S&T(8) Waist Finishes	<ol style="list-style-type: none"> 1. Definition 2. Uses 3. Types 4. Method of attaching waistband and waist facing
4L	Construction of S & T (9) Hem	<ol style="list-style-type: none"> 1. Definition 2. Types 3. Folding of hem 4. Stitching of hem (hemming, slip-hemming and herring bone stitching) <ol style="list-style-type: none"> 1. Tape hem
2L	Construction of S & T (8) Fastenings	<ol style="list-style-type: none"> 1. Types 2. Button holing 3. Methods of fixing 4. Rules of fixing
4L	Construction of S & T	Students Practical Work
2L	Basic Bodice Block - Taking Body Measurement	<ol style="list-style-type: none"> 1. Taking body measurements 2. Draft the Basic Bodice Block.

2L	Basic Bodice Blocks And Sleeve Block	<ol style="list-style-type: none"> 1. Drafting Front and Back Bodice Blocks 2. Drafting of Sleeve Block 3. Drafting of darts 4. The making of shell
2L	Family Dimension: Section A (1) Basic Concepts of family	<ol style="list-style-type: none"> 1. Definition of a family 2. Family Membership 3. Cohabitation 4. Adoption 5. Family Tree
2L	Family Dimension (2) Family Structure and Roles of Family Members	<ol style="list-style-type: none"> 1. Basic Structure <ul style="list-style-type: none"> • Nuclear Family • Extended Family • Couples (Family without Children) • Single-parent Family and Split Families • Reconstituted Family 2. Change of family structure in HK
2L	Family Dimension (3) Roles of Family Members	<ol style="list-style-type: none"> 1. Gender Role in a family 2. Compromising Individual Family Roles

2L	<p>Family Dimension (4)</p> <p>Family Values</p>	<p>1. Family Values: love and concern, harmony and mutual respect, care and responsibility, commitment, trust</p>
4L	<p>Family Dimension (5)</p> <p>Roles of Family in Society</p>	<p>1. Economic Well-being</p> <p>2. Status Acquisition</p> <p>3. Emotional Support</p> <p>4. Socialization of children</p> <p>5. Lifestyle establishment</p> <p>6. Family as consuming unit</p>
4L	<p>Family Dimension (6)</p> <p>Family Life Cycle</p>	<p>1. Stages of family life cycle</p> <p> Stage 1: Independent stage</p> <p> Stage 2: Coupling stage</p> <p> Stage 3: Parenting stage</p> <p> Stage 4: Empty-nested stage</p> <p> Stage 5: Senior Stage</p>

4L	<p>Family Dimension Section B (7) (8)</p> <p>Factors Affecting Family Ties and Lifestyle in HK in the past four decades</p>	<ol style="list-style-type: none"> 1. Values and Believes on Quality of Life <ul style="list-style-type: none"> ● Individualism ● Leisure ● Comfort ● Family bonding 2. Social 3. Economic 4. Political 5. Technological 6. Scientific 7. Environmental
4L	<p>Family Dimension Section C (9) (10)</p> <p>Related Impact and Implications in the Context of Clothing</p>	<ol style="list-style-type: none"> 1. Changes in the Dynamic Environment <ul style="list-style-type: none"> ● Basic vs Luxury Goods ● Clothing consumption pattern ● Material design choice ● Style, colour and design ● Brand preference

S.4 Single lesson - theory

2L	<p>Fashion Design Basic (1)</p> <p>Types of fashion design</p>	<ol style="list-style-type: none"> 1. Definition of Fashion 2. Definition of Fashion Design 3. Types <ul style="list-style-type: none"> ● Street Fashion ● Designer Label ● Haute Couture
2L	<p>Fashion Design Basic (2)</p> <p>Silhouette/shape and size</p>	<ol style="list-style-type: none"> 1. The definition of silhouette 2. Different types of silhouette 3. The effects of silhouette on individual figure <p>The combinations of silhouette</p>
2L	<p>Fashion Design Basic (3) Lines and Direction</p>	<ol style="list-style-type: none"> 1. Type: <ul style="list-style-type: none"> • Arrow • Y line • T line • Straight line • Width of panel 2. Visual Effects

S.4 Single lesson - theory

2L	Fashion Design Basic (4)Colours	<ol style="list-style-type: none"> 1. What is colour? 2. Colour Dimensions 3. Colour Groups 4. Their Effects
4L	Fashion Design Basic (5) Fabric Pattern and Texture	<ol style="list-style-type: none"> 1. Properties of natural and man made fibres and fabrics 2. Types of fabric pattern and texture 3. Effects of fabric pattern and texture on individual figures.
4L	Fashion Design Presentation (1)Graphical Skills	<ol style="list-style-type: none"> 1. Fashion Trend 2. Fashion Proportions 3. Basic proportions and body shapes of : <ul style="list-style-type: none"> - Female figure - Male figure - Children's figure 4. Factors govern good fashion drawing

4L	Fashion Design Presentation (2) Fashion Illustration	<ol style="list-style-type: none"> 1. What is fashion illustration 2. what is fashion drawing 3. Stylisation
2L	Fashion Design Presentation (3) Presentation Skills	<p>Presentation skills:</p> <ul style="list-style-type: none"> Theme Pose Various figure Impact Enlarge and crop figures Appropriate text and descriptions Fabrics Collage
2L	Fashion Design Presentation (4)	Layout of presentation boards
2L	Fashion design Process (1)	<ol style="list-style-type: none"> 1. Introduction 2. Translation of observation into inspirations 3. 1st stage: Design with costs in mind 4. 2nd stage: Research Inspiration To create a mood and colour board 5. 3rd stage: Research Direction

4L	Fashion Design Presentation (2)	<ol style="list-style-type: none"> 1. The idea sketch 2. The design development 3. The production sketch 4. The presentation drawing
4L	Principles of Fashion Design (2)	<p>Principles of Aesthetic:</p> <ul style="list-style-type: none"> • Proportion • Balance • Rhythm • Gradation • Emphasis • Contrast • Harmony • Unity • Repetition • Scale

Overview of S.4 topics and lesson hours

Lessons	Topic	Hours	% (270 hrs)
34L	Fashion Design: Elements + Principles	20 hrs	7.4%
8L	Evaluation of exam paper + Open Day	4.6 hrs	1.73%
70L	Clothing Technologies + Student Practical Lesson	40.8 hrs	15.1%
24L	Family Dimension	14 hrs	5.2%
Total:136L		Total:80 hrs	30%

S.5 Organisation of Lesson Topics

Textiles Technology (single period)		Clothing Technology Consumer Behaviour (double periods)	
Fibres	Natural, man made and synthetic	Pattern Construction	Rules and method, sleeves & cuffs, collars, dress block, simple dress / night dress
Blending	Principles, advantages	Clothing Construction	Openings, trimmings / decorations, armhole & neckline finishing, facing & binding, collar, setting-in sleeves, hems
Newly developed fibres	Micro-fibre, Tencel, Cool Max, Spandex, Nano-fibre, Corn-fibre		
Fabric construction	Yarn, fabric, colouration, finishing, fabric quality, colouration, finishing, fabric quality, other possible materials	Methods of Pattern Drafting	Mock-up, Computer-aided pattern making
		Industrial technologies	Laser technology, automatic data collection system
		Consumer behaviour	Factor influencing consumer choices, implications on individual and family

S.5 Scheme of Work (2010-2011)

2L	2-Dimensional / Pattern Construction Taking Body Measurement for the Bodice (1)	<ul style="list-style-type: none"> • Rules • Methods • Adding ease
2L	2-Dimensional/ Pattern Construction Basic Bodice Blocks And Sleeve Block (2)	<ul style="list-style-type: none"> • Drafting Front and Back Bodice Blocks • Drafting of Sleeve Block • Drafting of darts • The making of 'shell'
2L	2-Dimensional/ Pattern Construction Yokes (3)	<ol style="list-style-type: none"> 1. Different types of Yokes 2. The definition of Yokes 3. The use of Yokes 4. The making of 'shell'
2L	2-Dimensional/ Pattern Construction Darts Manipulation (4)	<ol style="list-style-type: none"> 1. The definition of darts manipulation 2. uses of darts 3. types position of darts 4. method of adding darts (closing, slashing and cutting)

2L	<p>2-Dimensional/ Pattern Construction</p> <p>Necklines (5)</p>	<ol style="list-style-type: none"> 1. Different type of necklines 2. Material and occasions suitable for each type 3. Methods to shape the necklines on front and back bodies
2L	<p>2-Dimensional/ Pattern Construction</p> <p>Sleeves & Cuff (6)</p>	<ol style="list-style-type: none"> 1. Types of sleeves 2. Methods of adapting different set-in sleeves 3. Methods to incorporate fullness to sleeve head. 4. Types of cuff 5. Drafting of button-band cuff and turn-up cuff.
4L	<p>2-Dimensional/ Pattern Construction</p> <p>Collars (7)</p>	<ol style="list-style-type: none"> 1. Types of collars 2. Example of each types 3. The definition of each type 4. Method of drafting each type 5. Materials and occasion suitable according to the styles

2L	2-Dimensional/ Pattern Construction Dress Block (8)	<ol style="list-style-type: none"> 1. Different style lines of dress 2. Method to form the basic dress block 3. Methods to adapt pattern for <ul style="list-style-type: none"> - dress with empire waist - dress with dropped waist - dress with Princess line 4. Instruction for designing a dress for individual.
2L	2-Dimensional/ Pattern Construction Simple Dress / Night Dress (9)	<ol style="list-style-type: none"> 1. The choice of night dress <ul style="list-style-type: none"> ■ Style ■ Material 2. Design of simple dress or night dress
2L	2-Dimensional/ Pattern Construction Simple Dress / Night Dress (10)	More examples of adaptations for simple dress and night dress
2L	2-Dimensional/ Pattern Construction Simple Dress / Night Dress (11)	Students Practical work

2L	<p>Clothing Construction Simple Dress (1)</p> <ul style="list-style-type: none"> • Laying and cutting out • Transferring pattern markings 	<ul style="list-style-type: none"> • Different methods to lay materials Pinning and cutting • Different methods to trace the markings
6L	<p>Clothing Construction Simple Dress (2) Openings</p>	<ol style="list-style-type: none"> 1. Types of opening 2. Points to note for making openings 3. The making of <ul style="list-style-type: none"> - Faced slit - Continuous wraps or wrist opening - Bound - Overlapping hem on Front bodice - Visible zip
4L	<p>Clothing Construction Simple Dress(3)(4) Trimmings/ Decorations</p>	<ol style="list-style-type: none"> 1. Use of trimmings 2. Rules for using 3. Method of attaching
6L	<p>Clothing Construction Simple Dress (5) Armhole Finishes Neckline Finishes Facing & Binding</p>	<ol style="list-style-type: none"> 1. The use of crossway stripes 2. Cutting and joining of crossway stripes 3. The definition of bias 4. Binding on necklace 5. Facing on armhole

4L	Methods of Pattern construction 3-dimensional Mock Up	<ol style="list-style-type: none"> 1. Measurement and sizing 2. Size and chart 3. Draping 4. Tailoring
2L	Methods of Pattern Construction	Computer-aided pattern making
2L	Individual and Commercial Pattern Constructing process	Individual pattern Commercial pattern
2L	Industrial Technologies	<ol style="list-style-type: none"> 1. Lockstitch machine 2. Overlock sewing machine 3. Blind stitch machine 4. Buttonhole machine 5. Button sewing machine
2L	Laser technology	<ol style="list-style-type: none"> 1. Laser cutting 2. Laser engraving 3. Advance in laser technology
2L	Automatic data collection system	<ol style="list-style-type: none"> 1. Bar code system 2. Radio-frequency identification 3. Advance of automatic data collection

6L	Clothing Construction Attaching Collars (6)	Methods of attaching collar <ul style="list-style-type: none"> • Self-bound • By facing • By binding
2L	Clothing Construction Setting-in sleeves (7)	Methods of setting-in <ul style="list-style-type: none"> • Round method • Flat method
2L	Clothing Construction Joining skirt and bodice Together (8)	<ul style="list-style-type: none"> • Points to note before joining • Method of joining
2L	Clothing Construction Hems (10)	<ul style="list-style-type: none"> • Methods to treat hem fullness • Methods of neatening
2L	Clothing Construction Fastening (11)	<ul style="list-style-type: none"> • Types • Buttonholing • Fixing

6L	<p>Consumer Behaviour in Clothing Choices and Implications (1-3)</p> <p>Factors influencing consumer choices of clothing and textile products</p>	<p>1. Individual and family consideration</p> <ul style="list-style-type: none">● -age group● sex● figure type● personal image and style● wardrobe planning● lifestyle● physical needs● health concerns● family income● occasion <p>2. Society</p> <ul style="list-style-type: none">● Fashion trends● Peer● Media influence <p>(Advertising and Marketing)</p>
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6L	<p>Consumer Behaviour in Clothing Choices and Implications (4-6)</p> <p>Factors influencing consumer choices of clothing and textile products</p>	<p>3. Culture</p> <ul style="list-style-type: none"> • Ethnic • Religion • Customs <p>4. Environment / Geographical location</p> <ul style="list-style-type: none"> • Ultra-violet • Ozone • Snow <p>5. Scientific and Technological Development</p> <ul style="list-style-type: none"> • Computer aided design
2L	<p>Consumer Behaviour in Clothing Choices and Implications (7-9)</p> <p>Implications on Individual and Family</p>	<p>To individual and family</p> <ol style="list-style-type: none"> 1. Proper selection of clothing 2. Wardrobe planning <ul style="list-style-type: none"> - Life style analysis - Existing Wardrobe Inventory analysis - Grouping of clothing - Developing a future Wardrobe Plan - Evaluate the resources

<p>2L</p>	<p>Consumer Behaviour in Clothing Choices and Implications (10)</p> <p>Implications on Individual and Family</p>	<p>To Industry</p> <ol style="list-style-type: none"> 1. Business Responsibility 2. Providing truthful information on products 3. Product Safety Responsibility 4. Labour Right Responsibility 5. Environmental Concern
<p>2L</p>	<p>Consumer Behaviour in Clothing Choices and Implications (11)</p> <p>Implications on Individual and Family</p>	<p>To Society</p> <ol style="list-style-type: none"> 1. The role of the government 2. Consumers rights 3. Safety and health concern 4. Sustainability development 5. Poverty concern 6. Protection of intellectual property

S.5 Scheme of Work (2010-2011)

Single lesson - theory

6L	<p>Textiles and Clothing Technology</p> <p>Materials for Clothing Technology(1)</p> <p>Fibres</p>	<p>Fibres</p> <ol style="list-style-type: none"> 1. Natural Fibres <ul style="list-style-type: none"> Plant - Cotton, Flax, Ramine Animal – Wool, Silk 2. Man-made Regenerated <ul style="list-style-type: none"> - Viscose rayon - Acetate rayon <p>Synthetic</p> <ul style="list-style-type: none"> - Nylon, Polyester, Acrylic
3L	<p>Materials for Clothing Technology (2)</p> <p>Blending</p>	<ol style="list-style-type: none"> 1.Principles of blending different fibres 2.Types <ul style="list-style-type: none"> • Natural with natural • Natural with synthetic • Synthetic with synthetic • Synthetic with regenerated 3. Advantages <ul style="list-style-type: none"> • Quality improvement • Increase of profitability

3L	Materials for Clothing Technology (3) Newly developed fibres	<ol style="list-style-type: none"> 1. Micro- fibre 2. Tencel 3. Cool max 4. Spandex 5. Nano- fibre 6. Corn- fibre
1L	Fabric Construction (5) Construction of Yarn	<ol style="list-style-type: none"> 1. Methods (from fibre to yarn) 2. Different types of yarn
3L	Fabric Construction (6) Construction of Fabric	<ol style="list-style-type: none"> 1. Different methods to construct Fabrics - Weaving - Knitting - Bonding and Felting
2L	Fabric Construction(7) Colouration	<ol style="list-style-type: none"> 1. Printing 2. Dyeing

2L	<p>Fabric Construction(8)</p> <p>Mechanical finishing</p> <p>Chemical finishing</p>	<ul style="list-style-type: none"> • Raising • Calendaring • Embossing • Stain resistance • Antistatic • Anti-bacteria
3L	<p>Fabric Construction (9)</p> <p>Fabric Quality</p>	<ol style="list-style-type: none"> 1. Strength 2. Elongation 3. Elasticity 4. Abrasion resistance 5. Resilience 6. Absorbency 7. Dimensional stability 8. Wrinkle-resistance
1L	<p>Fabric Construction (10)</p> <p>Other possible materials for clothing</p>	<ul style="list-style-type: none"> • Paper • Metal • Plastic

Supplementary Lesson on every Friday

5L	Culture and Fashion Design Cultural Value and Fashion (1-5)	<p>1. Design concepts of different cultures, lifestyles and relation to fashion trends and styles</p> <ul style="list-style-type: none"> • Beauty • Socio- economic status • Femininity • Masculinity
9L	Culture and Fashion Design Cultural Value and Fashion (6-14)	<p>Fashion styles in different eras and places around the world.</p> <p>Fashion trends in the</p> <ul style="list-style-type: none"> • 1920s – 1950s • 1960s • 1970s • 1980s • 1990s • The present
5L	Culture and Fashion Design Cultural Value and Fashion (15-19)	<p>1. National costumes of different countries</p>

5L	<p>Culture and Fashion Design</p> <p>Factors contributing to fashion trends in local and global contexts (20-24)</p>	<ol style="list-style-type: none"> 1. Geographical and environmental factors 2. Historic and cultural developments 3. Social influences 4. Economic and political influences 5. Scientific and technological development
4L	<p>Culture and Fashion Design</p> <p>Fashion Designers (25-28)</p>	<ol style="list-style-type: none"> 1. Career ladder and job duties 2. Renowned designers of the past and present and fashion brands 3. Design beliefs and style
6L	<p>Culture and Fashion Design</p> <p>Total Image for Fashion Design (29-34)</p>	<ol style="list-style-type: none"> 1. The images are <ul style="list-style-type: none"> • Elegant • Sporty • Ladylike • Business look 2. Use of fabric material 3. Use of accessories

Overview of S.5 topics and lesson hours

Lessons	Topic	Hours	% (270 hrs)
46L	Textiles & Clothing Technology	26.8 hrs	10%
20L	2-Dimensional pattern construction	11.6hrs	4.3%
18L	Consumer Behavior	10.5 hrs	4%
35L	E: Culture and Fashion	21 hrs	8%
Total:119L		Total:70 hrs	26.3%

F.6 Curriculum (Predicted no. of lessons: 90L)

No. of Lessons	Topic	Learning points
2L	Yarn (1)	Types – Staple, Filament, Single, Ply, Other
2L	Yarn (2)	Yarn Production System -Carded -Combed -Worsted -Woollen
2L	Yarn(3)	Tarn Twist – Z twist – S twist
2L	Yarn (4)	Novelty Yarn -Slub, Boucle, Core, Spun
4L (Total 12L)	Yarn (5)	Numbering system - Cotton count, Denier system, Tex system

<p style="text-align: center;">6L</p>	<p style="text-align: center;">Fabric Construction (1)</p>	<p>Methods</p> <ol style="list-style-type: none"> 1. Woven 2. Knitted 3. Non-woven
<p style="text-align: center;">10L</p> <p style="text-align: center;">(Total:16L)</p>	<p style="text-align: center;">Fabric Construction (2)</p>	<p>Properties (tested by experiments)</p> <ul style="list-style-type: none"> • Durability • Thermal insulation • Moisture absorption • Next-to-skin comfort • Relative strength (wet-and dry) • Extensibility • Elasticity • Electrostatic change • Flammability • Effects of acids • Effects of alkaline • Effects of bleaches • Effects of heat • Effects of light degradation

2L	Fabric Colouration (1)	Types of Dyes <ul style="list-style-type: none"> • Sculpture • Azoic
2L	Fabric Colouration (2)	Dyeing Methods <ul style="list-style-type: none"> • Continuous dyeing • Batch dyeing
2L	Fabric Colouration (3)	Dyeing types <ul style="list-style-type: none"> • Fibre dyeing • Yarn dyeing • Tabriz dyeing
2L	Printing types (1)	Types <ul style="list-style-type: none"> • Direct • Discharge print • Resist print
6L (Total: 14L)	Printing (2)	Tie-dyeing <ul style="list-style-type: none"> • Roller printing • Screen printing • Rotary screen • Heat Transfer

6L	Finishing (1)	<u>Mechanical</u> <ul style="list-style-type: none"> • Embossing • Sueding • Raising • Pleating • Felting • Anti-felting • Anti-pilling
4L (Total:10L)	Finishing (2)	<u>Chemical</u> <ul style="list-style-type: none"> • Flame resistance • Wrinkle free • Mothproofing • Easy care
4L	Fabric Quality(1)	Trademarks <ul style="list-style-type: none"> • Wool mark • Gore-Tex • Lycra
2L	Fabric Quality(2)	Legislation <ul style="list-style-type: none"> • Care label • Fibre label

2L	Latest Development and Environmental issues	1. Smart Fabric
3L		2. High-performance" Textiles" • breath able • Water proof • Wind proof
8L (Total: 19L)		3. Green Issues • Renewable • Non-renewable • Recycling • New fibres -Tencel -Lycell
Total 19L	Revision	

Assessment and Assignment (Refer to handouts)

Objectives	Strategies	F	F	F	Frequency	A	A	Examples/ Appendix
		4	5	6		for L	in L	
2.i 2.iv 2.v	<ul style="list-style-type: none"> •Fashion News Review •Essay Writing •Book Report •Reflective Journal of*OLE •General Test •Examination •Reflective Journal of •Textile experiments 	<ul style="list-style-type: none"> ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 	<ul style="list-style-type: none"> ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ 	<ul style="list-style-type: none"> ✓ ✓ ✓ ✓ 	<ul style="list-style-type: none"> -1st and 15th of every month -every topic -long holidays -every visit -every topic -2 times a year -3 to 4 times a year 	<ul style="list-style-type: none"> ✓ ✓ ✓ ✓ ✓ 	<ul style="list-style-type: none"> ✓ ✓ ✓ 	<ul style="list-style-type: none"> App. 1 App. 2 App. 3 App. 4 Ex.1 Ex.2 App.5
2.ii 2.iii	<ul style="list-style-type: none"> •Design sketches •Fashion Boards •Paper Pattern Construction •Garment Construction - skirt/trousers - dress •Specimen •Practical examination 	<ul style="list-style-type: none"> ○ ○ ○ ○ ○ ○ ○ ○ 	<ul style="list-style-type: none"> ○ ○ ○ ○ ○ ○ ○ ○ 	<ul style="list-style-type: none"> ○ 	<ul style="list-style-type: none"> -4 times a year - once a year - 2 times a year - once a year - once a year - 8 times a year -once a year 			<ul style="list-style-type: none"> Ex.3 Ex.4 App. 6 Ex.5 Ex.6 Ex.7

Challenges and Solutions

Challenges

1. Insufficient lesson time
- 2. Need to strengthen students' abilities, e.g. writing, critical thinking**
3. Need to motivate and maintain student interests in the subject

Solutions

1. Encourage independent and peer learning among students and provide tutorial lessons.
- 2. Provide constructive feedback and rubrics to inform learning and how to improve.**
3. Organize meaningful learning activities and provide authentic experiences.

Thank You!