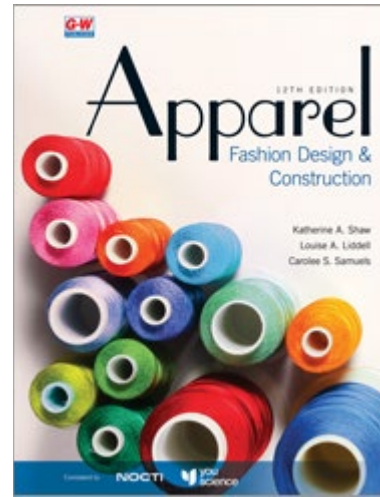


Correlation of
Apparel: Fashion Design & Construction, Katherine Shaw, Louise Liddell, and Carolee Samuels
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 to
NOCTI Apparel and Textile Production and Merchandising Credential

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The correlation chart below lists the specific Standards and Competencies for the NOCTI Apparel and Textile Production and Merchandising written assessment in the left column. Corresponding content from *Apparel: Fashion Design & Construction* that can be used by a student to help achieve the standards and competencies is listed in the right column.

For more information about NOCTI, visit www.nocti.org.



Standards / Competencies	Textbook Pages
Garment Construction	
Prepare, lay out, cut, and mark fabric and patterns	54, 211-227, 232, 228-245, 247-261, 280-281, 325-326
Construct seam and seam finishes	266, 270-271, 326-330
Apply and construct shaping details	32, 120, 238, 274-275, 267-268
Construct and set pockets	297-300, 310 (Review the Facts #5, #6, #7)
Construct and attach waistbands, collars, and cuffs	28-29, 238, 294-295, 300-305, 310 (Review the Facts #1, 2), 347,
Apply facings, interfacings, and yokes	273-275, 301, 303-304, 310 (Review the Facts #8), 329

Standards / Competencies	Textbook Pages
Sew underlinings and linings	301-303, 347
Display knowledge of proper pressing procedures for construction	238-239, 268, 288-289, 407-408
Finished Garment Alterations	
Analyze and mark garment fit	212-216, 344, 429
Convert darts	215, 264, 267-268
Alter hem length	280-284, 429
Replace zippers and fasteners	285
Adjust crotch of trousers	215
Remove excess garment width	429
Enlarge or decrease waist measurement	252
Textiles	
Identify and explain the properties of synthetic and natural fibers	47, 55, 62-64, 78, 87-88, 95 (Apparel Applications #3), 148-161, 162-173, 178 (STEAM Connections), 355-359, 378 (Core Skills #3), 435,
Describe yarn and fabric construction and uses	60-73, 148-158, 160 (Review the Facts #1, #4, #7, #8, #9; Think Critically #6), 162-172, 174-195, 196-207
Compare/contrast chemical and mechanical finishes and conversion processes	152, 154, 158, 200-205, 206 (Think Critically #2, #5), 207(Apparel Applications #4, FCCLA Connections),
Distinguish color theory, methods, and effects	123-127, 128 (Review the Facts #6, #7; Apparel Applications #1, 2; Core Skills #1, #4, #5), 130-145
Applied Mathematics	
Perform mathematical computations related to the apparel and textile industry	489-491, 494-497
Use geometric concepts to create paper patterns	118-119, 122-123, 231 257, 280
Calculate production costs and profits	489-491
Show proficiency in measuring and using measures	212-216, 344,
Design and Patternmaking	
Demonstrate basic pattern-making systems (draping and flat pattern drafting)	89-90, 107-108, 127, 129 (Core Skills #2), 422 (Core Skills #4),
Analyze and adjust patterns for various figure types	118-119, 122-123, 212-216, 344,
Identify, manipulate, and combine various techniques to develop design details	4-17, 18 (Review the Facts #2, #3, #4, #9; Core Skills #1, #4), 27-39, 44-46, 57, 58 (Review the Facts #1; Apparel Applications #2), 59 (Apparel Applications #3, #5, #6; Core Skills #2; FCCLA Connections), 62-69, 70 (Think Critically #2, #3; Core Skills #2, #3, 85-88, 95 (Apparel Applications #3), 97, 104-107, 111, 114 (Review the Facts #6, #9, #10), 115 (#2, #4; Core Skills #4; FCCLA Connections), 118-129, 343-349, 390-393, 395 (Core Skills #5)

Standards / Competencies	Textbook Pages
Industrial and Domestic Apparel Manufacturing	
Identify and safely operate domestic and industrial sewing machines	239-243, 244 (Think Critically #3, Apparel Applications #1, #4, #5, #6, #7), 245 (Apparel Applications #5, Core Skills #4, #5)
Select appropriate machines and attachments for a given task	239-241, 312-333
Demonstrate stitching techniques	189-190, 264-267, 274, 283-284, 292-311, 312-333, 317-319, 323
Perform basic machine maintenance and troubleshooting	233, 241, 243, 244 (Review the Facts #16, 17, 18), 330
Identify apparel and manufacturing terms	27-41, 42-59, 100-107, 148-195, 197-207, 345-349, 384-393
Apparel Technology	
Identify computer terminology related to the apparel and textile industry	15, 40 (Review the Facts #2, #3; Think Critically #1, #5; Apparel Applications #1), 46, 57, 58 (Review the Facts #4), 62-71, 74 (Core Skills #3, #8; Think Critically #2), 78-83, 89-93, 105, 107-108, 112-113, 127, 129 (Core Skills #2), 174-184, 198-207, 209, 223, 308-309, 331, 422 (Core Skills #4)
Demonstrate knowledge of computers in the apparel and textile industry	15, 46, 58 (Review the Facts #4), 65-71, 74 (Think Critically #2), 75 (Core Skills #3), 78, 89-93, 107-108, 112-113, 127, 128 (Think Critically #4), 129 (Core Skills #2, 145 (Core Skills #4), 174-195, 422 (Core Skills #4)
Identify awareness of computer-aided design technology (CAD/CAM)	89-90, 107-108, 127, 128 (Think critically #4), 129 (Core Skills #2), 422 (Core Skills #4),
Apparel and Textile Merchandising	
Identify apparel and textile merchandising terminology	To address more of the concepts covered by this competency, see the G-W text, <i>Fashion Marketing & Merchandising</i> 17, 41, 59 (Core Skills #4, 65-71, 74 (Apparel Applications #3), 82-83, 207 (Core Skills #4), 350 (Think Critically #4), 356, 369-373, 377 (Think Critically #7), 378 (Apparel Applications #7, #8, #9; Core Skills #9), 486-487, 491
Differentiate market segmentation	23, 65-67, 69-72, 344
Develop market research strategies (demographics, focus groups, etc.)	16-17, 23, 46, 66-67, 69-71, 342
Apply techniques for inventory management	See the G-W text, <i>Fashion Marketing & Merchandising</i>
Recognize multichannel (e-commerce) merchandising techniques	See the G-W text, <i>Fashion Marketing & Merchandising</i> 16-17, 46, 66, 93, 342, 372-373,

Standards / Competencies	Textbook Pages
Apply customer service and selling techniques	41 (FCCLA Connections), 69-71, 75 (Core Skills #5), 366-367
Career Opportunities	
Identify employment opportunities (textiles, design, production, and retail)	17, 22, 36, 41 (Core Skills #4, (FCCLA Connections), 45-51, 55-57, 58 (Core Skills #4), 60-74, 79-80, 83-84, 89-90-93, 101-102, 104-110, 112-115, 125, 145, 161, 166, 173, 195, 207, 227, 245, 438-445, 460-461. 478-493
Determine educational and training requirements for apparel and textile industry employment	36, 41 (FCCLA Connections), 60-74, 125, 145, 161, 166, 173, 195, 207, 227, 245, 438-444, 460-461, 465-479, 481-493