

# Apparel Production and Construction

Generate textiles, fashion, and apparel design products using a variety of equipment, tools, and supplies. [HSE.HS.1.1](#)

- a** Create apparel products using methods including flat pattern, pattern alterations, repurposing, and clothing design and construction. [HSE.HS.1.1.A](#)
- b** Produce, alter, or repair fashion and apparel items. [HSE.HS.1.1.B](#)
- c** Apply sewing construction skills to create fashion and apparel items. [HSE.HS.1.1.C](#)
- d** Use appropriate products and materials for cleaning, pressing, and finishing fashion and apparel items. [HSE.HS.1.1.D](#)
- e** Apply appropriate math skills in apparel construction. [HSE.HS.1.1.E](#)

Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products. [HSE.HS.1.2](#)

- a** Identify emerging fibers and fabric technologies (e.g., antimicrobial, wicking, electronic textiles, performance textiles). [HSE.HS.1.2.A](#)
- b** Explain how fabric selection affects the finish of products. [HSE.HS.1.2.B](#)
- c** Identify various types of fabric finishes (e.g., stain resistant, fire resistant, wrinkle resistant, waterproof). [HSE.HS.1.2.C](#)
- d** Apply methods of coloring, dyeing, printing, and finishing fabrics. [HSE.HS.1.2.D](#)
- e** Select textiles for their quality and appropriateness for use. [HSE.HS.1.2.E](#)

Produce fashion and apparel items using design industry technology. [HSE.HS.1.3](#)

- a** Identify the workplace value of technology tools and applications. [HSE.HS.1.3.A](#)
- b** Use the appropriate technology tools for conveying information, solving problems, and expediting workplace processes. [HSE.HS.1.3.B](#)
- c** Analyze current technology, trends, and innovations that facilitate the design and production of textiles, fashion, and apparel. [HSE.HS.1.3.C](#)
- d** Appraise the effect of fast fashion and sustainability practices. [HSE.HS.1.3.D](#)
- e** Create apparel items using design industry technology. [HSE.HS.1.3.E](#)

Apply business principles in the apparel

- a** Explain how products are priced for selling (material costs, labor costs, overhead costs). [HSE.HS.1.4.A](#)

**and textiles  
industry.** HSE.HS.1.4

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**b Apply the 4P's of marketing (product, place, price, promotion).** HSE.HS.1.4.B

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**c Describe the opportunities for entrepreneurship.** HSE.HS.1.4.C

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**d Describe the knowledge and skills required of an entrepreneur.** HSE.HS.1.4.D

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**Demonstrate skills and  
develop a plan that  
could lead to a career  
within the apparel and  
textiles  
industry.** HSE.HS.1.5

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**a Carry out tasks with minimal supervision.** HSE.HS.1.5.A

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**b Execute tasks to ensure progress toward stated objectives.** HSE.HS.1.5.B

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**c Demonstrate the ability to reason critically and systematically.** HSE.HS.1.5.C

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**d Demonstrate a willingness to learn new knowledge and skills.** HSE.HS.1.5.D

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**e Exhibit professional etiquette in all interactions.** HSE.HS.1.5.E

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**f Create an employment portfolio to use when seeking job opportunities in the  
apparel and textiles industry.** HSE.HS.1.5.F