

Introduction to Design

HUMAN SCIENCES AND EDUCATION HSE.HS.26

- 1 Apply the use of elements and principles of design.** HSE.HS.26.1
 - a Identify the elements and principles of design. HSE.HS.26.1.A
 - b Apply elements of design. HSE.HS.26.1.B
 - c Apply principles of design. HSE.HS.26.1.C
 - d Explain the interactions between color and design. HSE.HS.26.1.D
 - e Explain components of design for their effect on various products. HSE.HS.26.1.E

- 2 Repurpose a used item using the technology available within the design industry.** HSE.HS.26.2
 - a Apply elements of design. HSE.HS.26.2.A
 - b Apply principles of design. HSE.HS.26.2.B
 - c Compare the use of elements and principles of design. HSE.HS.26.2.C
 - d Generate information, knowledge, and experience to generate original ideas and challenge assumptions. HSE.HS.26.2.D
 - e Identify solutions to problems to maximize opportunities related to repurposing. HSE.HS.26.2.E
 - f Apply the use of appropriate technology tools for conveying information, solving problems, expediting workplace processes, and effectively presenting information. HSE.HS.26.2.F

- 3 Analyze the effect of textile characteristics on design, construction, care, use, and maintenance of items.** HSE.HS.26.3
 - a Identify characteristics of natural fibers (e.g, cotton, wool, silk, linen, bamboo, hemp). HSE.HS.26.3.A
 - b Identify characteristics of synthetic and/or manmade fibers (e.g., polyester, nylon, rayon, acrylic, acetate, Spandex, Olefin, fiberglass). HSE.HS.26.3.B
 - c Differentiate between the characteristics of common textiles. HSE.HS.26.3.C
 - d Compare textiles for different purposes in apparel and interiors. HSE.HS.26.3.D
 - e Assess and select textiles for their quality and appropriateness. HSE.HS.26.3.E

- 4 Demonstrate basic apparel construction and interior design skills.** HSE.HS.26.4
 - a Demonstrate proper use of sewing and interior design tools and equipment. HSE.HS.26.4.A

- b** Demonstrate proper measuring, pinning, cutting, and construction techniques to construct an apparel or fashion item. [HSE.HS.26.4.B](#)
 - c** Demonstrate proper measuring techniques, scaling techniques, furniture placement, and selection of appropriate materials to construct an interior design product. [HSE.HS.26.4.C](#)
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5 Analyze career paths within the design field. [HSE.HS.26.5](#)

- a** Explain the roles and functions of individuals engaged in design careers. [HSE.HS.26.5.A](#)
- b** Summarize education, training, and credentialing requirements and opportunities for careers in the design field. [HSE.HS.26.5.B](#)
- c** Describe the opportunities for entrepreneurship in the design field. [HSE.HS.26.5.C](#)
- d** Analyze the role of professional organizations in design professions. [HSE.HS.26.5.D](#)
- e** Analyze personal attitudes, traits, and values of design professionals with regard to responsibility, accountability, ethics, and effectiveness. [HSE.HS.26.5.E](#)