Nebraska CTE

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

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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

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