



West Windsor-Plainsboro Regional School District  
Creative Design

## Unit 0: Family & Consumer Science

Content Area: Family & Consumer Science

Course & Grade Level: Family & Consumer Science - Grade 12

### Summary and Rationale

The West Windsor-Plainsboro Regional School District recognizes the importance of the study 21<sup>st</sup> Century Life and Careers standards. Additionally, it is also believed this learning should not be taught in isolation and cross curricular and career ready practices are embedded in every unit of study. Unit 0 is incorporated into each unit of study of this curricular document.

### Recommended Pacing:

ELA Companion Standards and Career Ready Practices will be integrated throughout all units of study.

### Interdisciplinary Connections

#### Grades 9-10

#### Progress Indicators Reading Science and Technical Subjects

##### Key Ideas and Details

RST.9-10.1. Accurately cite strong and thorough evidence from the text to support analysis of science and technical texts, attending to precise details for explanations or descriptions.

RST.9-10.2. Determine the central ideas, themes, or conclusions of a text; trace the text's explanation or depiction of a complex process, phenomenon, or concept; provide an accurate summary of the text.

RST.9-10.3. Follow precisely a complex multistep procedure when carrying out experiments, taking measurements, or performing technical tasks, attending to special cases or exceptions defined in the text.

##### Craft and Structure

RST.9-10.4. Determine the meaning of symbols, key terms, and other domain-specific words and phrases as they are used in a specific scientific or technical context relevant to *grades 9-10 texts and topics*.

RST.9-10.5. Analyze the relationships among concepts in a text, including relationships among key terms (e.g., *force, friction, reaction force, energy*).

RST.9-10.6. Determine the author's purpose in providing an explanation, describing a procedure, or discussing an experiment in a text, defining the question the author seeks to address.

##### Integration of Knowledge and Ideas

RST.9-10.7. Translate quantitative or technical information expressed in words in a text into visual form (e.g., a table or chart) and translate information expressed visually or mathematically (e.g., in an equation) into words.

RST.9-10.8. Determine if the reasoning and evidence in a text support the author’s claim or a recommendation for solving a scientific or technical problem.

RST.9-10.9. Compare and contrast findings presented in a text to those from other sources (including their own experiments), noting when the findings support or contradict previous explanations or accounts.

**Range of Reading and Level of Text Complexity:**

RST.9-10.10. By the end of grade 10, read and comprehend science/technical texts in the grades 9-10 text complexity band independently and proficiently.

**Career Ready Practices**

CRP1. Act as a responsible and contributing citizen and employee.

CRP2. Apply appropriate academic and technical skills.

CRP4. Communicate clearly and effectively and with reason.

CRP5. Consider the environmental, social and economic impacts of decisions.

CRP6. Demonstrate creativity and innovation.

CRP7. Employ valid and reliable research strategies.

CRP8. Utilize critical thinking to make sense of problems and persevere in solving them.

CRP9. Model integrity, ethical leadership and effective management.

CRP10. Plan education and career paths aligned to personal goals.

CRP11. Use technology to enhance productivity.

CRP12. Work productively in teams while using cultural global competence.

**Competencies for 21<sup>st</sup> Century Learners**

X	Collaborative Team Member	X	Effective Communicator
X	Globally Aware, Active, & Responsible Student/Citizen	X	Information Literate Researcher
X	Innovative & Practical Problem Solver	X	Self-Directed Learner

## Unit 1 - Elements & Principles of Design

**Content Area:** Family and Consumer Science

**Course & Grade Level:** Creative Design, Grades 9-12

### Summary and Rationale

Creative Design offers students the opportunity to explore a wide variety of design concepts as they pertain to both what we wear and the environment in which we live. This exciting course is a hands-on class that will explore the ever-changing world of fashion, along with the many different aspects of designing a living space. Overall, students will study topics such as art principles, design elements, color harmonies, textiles and construction, as well as design history, in both the fashion and interior design worlds. Students will gain practical experience in learning about the development of fashion, reasons why people wear clothing, combining various garment parts and styles, current fashion trends, as well as understanding how to apply design skills to their living environments. The students will also learn the importance of floor plans and circulation patterns, color motifs and patterns, and 2D and 3D room designs. In addition to learning the basic developmental skills and fundamentals of design, this course will expose the students to a wide variety of careers in the design field.

### Recommended Pacing

35 days

#### National Association of State Administrators of Family and Consumer Sciences Standards

**1.2 Demonstrate transferable knowledge, attitudes, and technical and employability skills in school, community and workplace settings.**

1.2.1 Analyze potential career choices to determine the knowledge, skills, attitudes, and opportunities associated with each career.

1.2.5 Analyze future-ready strategies to shape, manage, and utilize change, including changing technologies, in workplace settings.

1.2.6 Demonstrate leadership skills and abilities in school, workplace and community settings.

1.2.8 Demonstrate employability skills, work ethics, and professionalism.

**2.1 Demonstrate management of individual and family resources such as food, clothing, shelter, health care, recreation, transportation, time, and human capital.**

2.1.1 Apply time management, organizational, and process skills to prioritize tasks and achieve goals.

**11.2 Evaluate housing and design concepts and theories, including sustainability and universal design, in relation to available resources and options.**

11.2.1 Evaluate the use of elements and principles of design in housing and commercial and residential interiors.

11.2.2 Analyze the psychological impact that the principles and elements of design have on the individual.

11.2.3 Analyze the effects that the principles and elements of design have on aesthetics and function.

**16.3 Demonstrate textiles, fashion, and apparel design skills.**

16.3.2 Apply basic and complex color schemes and color theory to develop and enhance visual effects.

16.3.3 Utilize elements and principles of design in designing, constructing, and/or altering textiles, fashion, and apparel.

16.3.6 Apply elements and principles of design to assist consumers and businesses in making decisions.

**Instructional Focus**

**Unit Enduring Understandings:**

- Artists utilize the elements and principles of design to create successful works of art.
- The manipulation of elements and principles allows the artists to create meaning.
- Elements are the building blocks for the creation of art.
- Artists use elements of art and principles of design to organize visual communication.
- Elements and design principles can be used intentionally to elicit a specific response from the viewer.
- Recognition of the basic elements of art and principles of design is the initial step toward visual literacy.

**Unit Essential Questions:**

- Why is it important to have a working understanding of Elements and Principles of Design?
- How does one apply the Elements and Principles of design into their daily lives?
- How are art elements and design principles used to organize and express ideas?
- How are the elements of art and principles of design used in creating works of art?
- How do the elements and principles guide the creation of art?
- How do the elements and principles of design help communicate ideas?
- How does knowing the elements and principles of design impact our visual experience?

**Skills and objectives:**

- Define, discuss and demonstrate techniques and vocabulary used such as:
  - Space, Line, Shape, Form, Texture, Color.
- Describe the standard color wheel.
- Identify color as a design element.
- Describe how the color wheel can be used to show relationships among colors.
- Evaluate a color according to hue, value, and intensity.
- Explain the effect of light on color.
- Demonstrate the effects that clothing shape have on appearance.
- Use lines to the best advantage in garments to enhance the appearance of body shapes.
- Describe how the principles of design can be used to produce harmony in clothing.
- Evaluate a room design according to its proportion, scale, balance, emphasis, and rhythm.
- Evaluate the selection and placement of functional and decorative accessories according to the elements, principles, and goals of design.

## Unit 2 - Fashion Design

**Content Area:** Family and Consumer Science

**Course & Grade Level:** Creative Design, Grades 9-12

### Summary and Rationale

Creative Design offers students the opportunity to explore a wide variety of design concepts as they pertain to both what we wear and the environment in which we live. This exciting course is a hands-on class that will explore the ever-changing world of fashion, along with the many different aspects of designing a living space. Overall, students will study topics such as art principles, design elements, color harmonies, textiles and construction, as well as design history, in both the fashion and interior design worlds. Students will gain practical experience in learning about the development of fashion, reasons why people wear clothing, combining various garment parts and styles, current fashion trends, as well as understanding how to apply design skills to their living environments. The students will also learn the importance of floor plans and circulation patterns, color motifs and patterns, and 2D and 3D room designs. In addition to learning the basic developmental skills and fundamentals of design, this course will expose the students to a wide variety of careers in the design field.

### Recommended Pacing

50 days

#### National Association of State Administrators of Family and Consumer Sciences Standards

**1.2 Demonstrate transferable knowledge, attitudes, and technical and employability skills in school, community and workplace settings.**

1.2.5 Analyze strategies to manage the effects of changing technologies in workplace settings.

1.2.8 Demonstrate work ethics and professionalism.

**2.1 Demonstrate management of individual and family resources such as food, clothing, shelter, health care, recreation, transportation, time, and human capital.**

2.1.4 Apply consumer skills to providing and maintaining clothing.

**2.2 Analyze the relationship between the global environment and family and consumer resources.**

2.2.3 Demonstrate behaviors that conserve, reuse, and recycle resources to maintain the environment.

**2.4 Evaluate the effects of technology on individual and family resources in a global context.**

2.4.1 Summarize types of technology that affect family and consumer decision-making.

2.4.2 Analyze how media and technological advances affect family and consumer decisions.

**2.5 Analyze relationships between the economic system and consumer actions in a global context.**

2.5.1 Analyze the use of resources in making choices that satisfy needs and wants of individuals and families.

**3.5 Demonstrate skills needed for product development, testing, and presentation.**

3.5.2 Design or analyze a consumer product.

**12.2 Analyze conditions that influence human growth and development.**

12.2.3 Analyze the effects of gender, ethnicity, and culture on individual development.

12.2.5 Analyze geographic, political, and global influences on human growth and development.

**13.6 Demonstrate standards that guide behavior in interpersonal relationships.**

13.6.4 Demonstrate ethical behavior in family, workplace, and community settings.

**16.1 Analyze career paths within textile apparel and design industries.**

16.1.1 Explain the roles and functions of individuals engaged in textiles and apparel careers.

16.1.4 Analyze the effects of textiles and apparel occupations on local, state, national, and global economies.

16.1.6 Analyze the role of professional organizations in textiles, fashion, and apparel industries.

**16.2 Evaluate fiber and textile products and materials.**

16.2.1 Apply appropriate terminology for identifying, comparing, and analyzing the most common generic textile fibers.

16.2.2 Evaluate performance characteristics of textile fiber and fabrics.

16.2.4 Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products.

**16.3 Demonstrate fashion, apparel, and textile design skills.**

16.3.1 Explain the ways in which fiber, fabric, texture, pattern, and finish can affect visual appearance.

16.3.2 Apply basic and complex color schemes and color theory to develop and enhance visual effects.



16.3.3 Utilize elements and principles of design in designing, constructing, and/or altering textile, apparel, and fashion products.

16.3.6 Apply elements and principles of design to assist consumers and businesses in making decisions.

16.3.7 Demonstrate ability to use technology for fashion, apparel, and textile design.

**16.4 Demonstrate skills needed to produce, alter, or repair fashion, apparel, and textile products.**

16.4.4 Analyze current technology and trends that facilitate design and production of textile, apparel, and fashion products.

**Instructional Focus**

**Unit Enduring Understandings:**

- There are many factors that affect why people chose the clothes they wear.
- Clothing choices may be influenced by personal preferences, family, friends, and the media.
- Comprehension is enhanced through a collaborative process of sharing and evaluating ideas.
- Analyzing written course materials for structure and purpose from such items as texts and fashion models, allows an effective reader to gain fashion design insight and strengthen understanding.
- Media sources are a constant and valuable resource for identifying a variety of design options.
- Using digital tools helps one access, manage, evaluate and synthesize information in order to solve problems individually and collaboratively, as well as create and communicate knowledge.
- Career insights are gained through the integration of knowledge and ideas from readings, observations and hands-on work.
- The fashion industry is constantly changing and skills must be developed that will enhance skill potential beyond the classroom.
- There are many career opportunities related to the fashion industry.
- Learning basic vocabulary of the fashion industry as well as the parts, components and styles of garments will help in the understanding of the fashion industry.
- Fashion has always reflected social and economic conditions, current events, technology, popular entertainment, and people's values and attitudes.
- Using the correct fabric for a garment is important to the design, manufacturing, care and cost of the garment.
- The elements of design contribute to the total design of clothing.
- Knowledge of the elements and principles of design help an individual choose clothes and put together outfits that help them look their best.
- Fashion designing is the art of application of design and aesthetics to clothing and accessories.

- It is important to have experience in many different areas to understand fashion.

### **Unit Essential Questions:**

- Does clothing define a person or is a person defined by his or her wardrobe?
- Why is having an understanding of the various clothing styles essential in our daily lives?
- What are the reasons why people wear clothing?
- How does clothing satisfy certain physical, psychological, and social needs?
- How do values, attitudes, conformity, individuality, and personality affect clothing selections?
- How does society, culture, family, friends, and the media influence clothing choices?
- Why is having an understanding of the various clothing styles essential in our daily lives?
- What are some of the impacts of social media on the fashion industry?
- What is a fashion cycle?
- Why is having an understanding of the various reasons people wear clothing essential in our daily lives?
- Why does society admire prestigious clothing?
- Why do cultures view body coverings differently?
- How have the norms of clothing changed throughout the ages?
- How can color affect the mood of a person?
- How can color be adapted to your cultural heritage?
- How does the variety of garment parts used in design affect your choice of clothing?
- How does the area in which you live affect your garment choices?
- How does society influence garment construction and style combinations?
- How does the structure, design, and fabrics of an article of clothing affect your choices?
- Why have the choices of man-made and manufactured fibers evolved throughout the fashion industry?
- How can the knowledge of hand sewing save you money when clothing needs to be fixed?
- How do the elements and principles of design effectively influence a final fashion production or design?
- How do Haute Couture houses affect your fashion choices?
- How does your financial status play a role in your wardrobe?

### **Skills and objectives:**

#### **The Development of Fashion**

- Discuss the worldwide importance of the apparel industries.
- List several trade publications and trade associations.
- Describe the development of haute couture.
- Explain how the couture industry is changing.
- Discuss the importance of the designer ready-to-wear industry.
- Discuss the top ten fashion designers worldwide and their influences on the apparel industry.

### **The Why of Clothes and Fashion Through The Ages**

- Explain how to use color schemes and illusions effectively in apparel.
- How to choose clothing in colors that flatter a person's hair, eyes, and skin tone.
- How colors appear to change under different lights and when combined with other colors and textures.
- Explain the various reasons people wear clothes.
- Describe how clothing satisfies certain physical, psychological, and social needs.
- Evaluate how values, attitudes, conformity, individuality, and personality affect clothing selections.
- Explain the effect of fashion trends from the Ancient Egyptian Times through the late 1900's.

### **Garment Parts and Style**

- Explain the characteristics of the many styles of dress.
- Identify neckline and collar styles for men and women's apparel.
- Describe the differences between the various sleeve, skirt, pants, coat, and jacket styles.
- How garment parts can be combined in different ways to achieve new and different fashions.

### **Machine and Hand sewing**

- Discuss and define fabric preparation terms such as:
  - Grain, crosswise, lengthwise, bias, grainline, raw edges, selvage.
- Analyze and interpret the written directions and information given on an instruction sheet.
- Discuss and identify the meaning of various pattern symbols.
- Identify the various techniques of fabric layout, pinning, and cutting.
- Identify and discuss the small equipment and notions that are available.
- Describe the numerous parts of the sewing machine.
- Discuss, apply and practice creating one or more basic machine sewing stitches.
- Discuss, apply and practice creating one or more basic hand stitches.

## Unit 3 - Interior Design

**Content Area:** Family and Consumer Science

**Course & Grade Level:** Creative Design, Grades 9-12

### Summary and Rationale

Creative Design offers students the opportunity to explore a wide variety of design concepts as they pertain to both what we wear and the environment in which we live. This exciting course is a hands-on class that will explore the ever-changing world of fashion, along with the many different aspects of designing a living space. Overall, students will study topics such as art principles, design elements, color harmonies, textiles and construction, as well as design history, in both the fashion and interior design worlds. Students will gain practical experience in learning about the development of fashion, reasons why people wear clothing, combining various garment parts and styles, current fashion trends, as well as understanding how to apply design skills to their living environments. The students will also learn the importance of floor plans and circulation patterns, color motifs and patterns, and 2D and 3D room designs. In addition to learning the basic developmental skills and fundamentals of design, this course will expose the students to a wide variety of careers in the design field.

### Recommended Pacing

50 days

#### National Association of State Administrators of Family and Consumer Sciences Standards

**1.2 Demonstrate transferable knowledge, attitudes, and technical and employability skills in school, community and workplace settings.**

1.2.5 Analyze strategies to manage the effects of changing technologies in workplace settings.

**1.3 Evaluate the reciprocal effects of individual and family participation in community and civic activities.**

1.3.6 Identify ways individuals and families can influence change in policies, agencies, and institutions that affect individuals and families.

**11.2 Evaluate housing and design concepts and theories, including sustainability and universal design, in relation to available resources and options.**

11.2.2 Analyze the psychological impact that the principles and elements of design have on the individual.

11.2.3 Analyze the effects that the principles and elements of design have on aesthetics and function.

**11.5 Analyze design and development of architecture, interiors, and furnishings through the ages.**

11.5.2 Explain societal and technological trends on periods of architecture and interior design through the ages.

11.5.3 Illustrate the development of architectural styles throughout history.

**Instructional Focus**

**Unit Enduring Understandings:**

- Comprehension is enhanced through a collaborative process of sharing and evaluating ideas.
- Analyzing written course materials for structure and purpose from such items as texts and interior models, allows an effective reader to gain interior design insight and strengthen understanding.
- Media sources are a constant and valuable resource for identifying a variety of lifestyle options.

**Unit Essential Questions:**

- Why is it important to have an understanding of housing choices and how these choices influence the decisions of consumers?
- Why is it important to understand how to draw a floor plan and calculate square footage?
- How does knowing how to divide a home into main areas and identifying circulation routes come into play regarding designing interiors?
- How does evaluating floor plans play a vital role in an interior design career?
- Why is it important to have an understanding of global cultural influences on interior design?
- Why is it important to have a working understanding of room clearances and layouts when designing room floor plans?
- Why is it important to have a working understanding of Elements and Principles of Design?
- Why is it important to have a working understanding of color and color harmonies as they pertain to interior design?
- Why is it essential that the elements and principles of design, color harmonies, organization, circulation patterns and scale are all integral to effectively designing a room?

**Skills and objectives:**

**Housing**

- Define, discuss and demonstrate the fundamentals of housing.
- Describe the various types of housing.
- Discuss the characteristics of the various types of housing.
- Define and demonstrate room measuring techniques.
- Evaluate various floor plans.
- Define and demonstrate circulation patterns.

### **Feng Shui and Organization**

- Define, discuss and demonstrate techniques and vocabulary used when designing and organizing a room such as:
  - Feng Shui, Chi, Bagua, the five elements that influence Chi, the acronym S-P-A-C-E as it pertains to organization.
- Demonstrate how to arrange furnishings to enhance career, relationships and health.
- How to transform living and work spaces to reduce stress and promote serenity.
- How to choose the location and design of a house or office for greater success.
- How to use Feng Shui to increase income, encourage romance and improve vitality.

### **Room Layout and Design**

- Identify rooms and activities involved in the living areas of a house.
- Discuss how the lifestyle of household determines location, size, arrangement & functions.
- Define the two types of dining room plans: open and closed.
- Describe how entryways control circulation to different parts of the home.
- Discuss purposes of sleeping areas: to provide privacy for sleeping, bathing and dressing.
- Describe how 3-dimensional room construction relies heavily on solid 2-dimensional plans drawn to scale.
- Explain and demonstrate understanding of the Elements of Design, Principles of Design and color harmonies Identify how organization plays a vital role in effective room design.
- Explain how circulation patterns play a vital role in effective room design.
- Identify and describe how scaled furniture templates will allow for efficient room design planning.
- Demonstrate understanding and working knowledge of elements of design, principles of design and color harmony.