

**SELECTED TENNESSEE EDUCATION STANDARDS MATCHED TO  
4-H LEVEL 1 (Beginning) CLOTHING AND TEXTILES & LEVEL 1 (Beginning) CREATIVE ARTS AND  
DESIGN PROJECT ACTIVITIES**



Grade Level	Subject	Tennessee Standard Topic	Tennessee Standard	4-H Activity/Lesson that fits the standard	Description of Activity and hands-on Exercises
4 <sup>th</sup>	Science	4.PS4: Waves and their Application in Technologies for Information Transfer	2) Describe how the colors of available light sources and the bending of light waves determine what we see.	<b>Creative Arts &amp; Design</b> Activity 1: Discovering Color	Contains information about how color is produced from waves of light, explains colors in color wheel and terminology related to color. <u>Activities:</u> 1- mixing colors to make a color wheel and 2-producing shades and tints of one color and creating a design (abstract, geometric, landscape).
4 <sup>th</sup>	Science	4.ETS2: Links Among Engineering, Technology, Science, and Society	1) Use appropriate tools and measurements to build a model.	<b>Creative Arts &amp; Design</b> Activity 2: Elements of Design LINE	Explains the different types of lines and their effect on images and objects. <u>Activities:</u> 1-creating a line drawing, 2-identification, 3-Major activity to create a line montage using various materials and tools.
4 <sup>th</sup>	Science	4.ETS2: Links Among Engineering, Technology, Science, and Society	1) Use appropriate tools and measurements to build a model.	<b>Creative Arts &amp; Design</b> Activity 10: Exploring Various Crafts and Tools	Identifies various tools needed for different types of crafts. <u>Activities:</u> Making a 1-fabric wreath, 2-wood collage, 3-paper craft (#3 can be done during meeting with scissors and paper)
5 <sup>th</sup>	Science	5.ETS1: Engineering Design	Standard 1) Research, test, re-test, and communicate a design to solve a problem.	<b>Creative Arts &amp; Design</b> Activity 10: Exploring Various Crafts and Tools	Identifies various tools needed for different types of crafts. <u>Activity:</u> Student could research a specific craft in this activity and develop a plan of tools needed and what to make that meets a need in the home etc. (solves a problem) and carry through.

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4 <sup>th</sup>	Mathematics	STANDARD 4.NBT.B.4 Fluently add and subtract within 1,000,000 using appropriate strategies and algorithms.		<a href="#">Clothing &amp; Textiles</a> Activity 22: Learning about Fabrics Weave and Knit Structures	Information about various types of fabric structures: woven vs. knit. <u>Activities:</u> 1-Group stretch comparing woven to knit fabric. 2- Measuring the stretch of woven and knit fabric. 3- Inspecting fabrics with magnifying glasses identifying weave and knit structures. (Kit with supplies available at Extension Regional Office.)
Grades 5,6,7 <sup>th</sup> MATH		STANDARDS 5.NF.B.6 Solve real-world problems involving multiplication of fractions and mixed numbers by using visual fraction models or equations to represent the problem. 5.NF.B.7 Apply and extend previous understandings of division to divide unit fractions by whole numbers and whole numbers by unit fractions. 6.RP.A.3 Use ratio and rate reasoning to solve real-world and mathematical problems (e.g., by reasoning about tables of equivalent ratios, tape diagrams, double number line diagrams, or equations). c. Find a percent of a quantity as a rate per 100 (e.g., 30% of a quantity means 30/100 times the quantity); solve problems involving finding the whole, given a part and the percent. 7.NS.A.2 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. c. Apply properties of operations as strategies to multiply and divide rational numbers.		<a href="#">Clothing &amp; Textiles</a> Activity 22: Learning about Fabrics Weave and Knit Structures	Information about various types of fabric structures: woven vs. knit. <u>Activities:</u> Measuring the stretch of woven and knit fabric. (Includes subtraction and division.)
4 <sup>th</sup>	Visual Arts	4.VA.Cr2.A Explore and invent art-making techniques and approaches using developmentally appropriate craftsmanship.		<a href="#">Creative Arts &amp; Design</a> Activity 2: Elements of Design - Line	Explanation of different types of lines with examples of artists work. <u>Activities:</u> 1-Throughout lesson there are exercises including identification and hands-on. 2-The final exercise has the student creating a collage using string, yarn, ..... to produce a piece of art that demonstrates understanding of how line is used in art.

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4 <sup>th</sup>	Visual Arts	Standard 4.VA.Cr2.B Utilize and care for materials, tools, and equipment in a manner that prevents danger to oneself and others.	<b>Creative Arts &amp; Design</b> Activity 10: Exploring Various Crafts and Tools	Explores various Tools needed to create crafts. This includes weaving, jewelry making, textile painting, yarn crafts, papercraft, woodcraft, pottery, and flower crafting. <u>Activities:</u> 1-making fabric wreath with strips of fabric, 2-Mountain scene wooden collage and 3-paper snowflakes. Demonstrating proper use of tools. (Snowflakes could be made during the meeting.)
5 <sup>th</sup>	Visual Arts	<b>5.VA.Cr2.A</b> Experiment and develop skills in multiple art-making techniques and approaches through practice using developmentally appropriate craftsmanship.  <b>6.VA.Cr2.A</b> Experiment with new ideas, materials, methods, and approaches in making works of art and design, using course specific craftsmanship.	<b>Creative Arts &amp; Design</b> Activity 10: Exploring Various Crafts and Tools	Explores various tools needed to create crafts. This includes weaving, jewelry making, textile painting, yarn crafts, papercraft, woodcraft, pottery, and flower crafting. <u>Activities:</u> 1-making fabric wreath with strips of fabric, 2-Mountain scene wooden collage and 3-paper snowflakes. 3-Explore a specific craft and obtain tools and experiment.
5 <sup>th</sup>	Visual Arts	<b>5.VA.P1.A</b> Define and explain the qualifications and responsibilities of a curator.	<b>Creative Arts &amp; Design</b> Activity 12: Exploring Careers using Craft Skills	Explores careers related to craft interests including museum curator. <u>Activities:</u> 1-student will research a job they have learned about, 2-interview someone who has this job, 3-share what learned through a presentation

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5 <sup>th</sup>	Visual Arts	<b>5.VA.R1.A</b> Explain how images can convey cultural associations.	<b>Creative Arts &amp; Design</b> Activity 6: Exploring Art in Your Community	Prepares student to gather tools, explains places in the community to explore artwork. <u>Activity:</u> Select and critique art in the community, analyzing using the principles and elements of design. Add an additional item to each critique related to what the artwork conveys about the culture it represents.
6 <sup>th</sup>	Visual Arts	<b>.6.VA.Cr2.C</b> Design or redesign objects, places, or systems that meet the identified needs of diverse users.	<b>Creative Arts &amp; Design</b> Activity 15: Exploring Careers in Interior Design	Describes the job responsibilities of each type of interior designer. <u>Activities:</u> For each job student is asked to explore a space specific to what that job does and determine what changes they would make to make the space more suitable depending on user.
6	Science	6.LS4: Biological Change: Unity and Diversity 2) Design a possible solution for maintaining biodiversity of ecosystems while still providing necessary Human resources without disrupting environmental equilibrium.	<b>Clothing and Textiles</b> Activity 5: Saving the World, Doing your part: Reuse, recycle or swap your clothing	Describes why repurposing/recycling clothes is important and gives examples and ideas. <u>Activities:</u> 1) student identifies clothes in their closet that can be repurposed; 2) student repurposes garment.
8-12	General Career and Technical Education (CTE)	<b>Career Exploration 8-12 Grades</b> Explore available occupations and career fields using a variety of available sources.	<b>Creative Arts &amp; Design</b> Activity 8: Exploring Careers in Visual Arts	Describes jobs in Visual Arts, responsibilities and skills required for careers in visual arts. <u>Activities:</u> 1-student will identify job responsibilities for each job. 2-interview someone who has this job in student's community or region.
8-12	General Career and Technical Education (CTE)	<b>Career Exploration 8-12 Grades</b> Explore available occupations and career fields using a variety of available sources.	<b>Creative Arts &amp; Design</b> Activity 12: Exploring Careers using Craft Skills	Explores careers related to craft interests including museum curator. <u>Activities:</u> 1-student will research a job they have learned about, 2-interview someone who has this job, 3-share what learned through a presentation.

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8-12	General Career and Technical Education (CTE)  Interior Design	Career Exploration 8-12 Grades Explore available occupations and career fields using a variety of available sources.  Identify and analyze career pathways within the Interior Design Program of Study	<b>Creative Arts &amp; Design</b> Activity 15: Exploring Careers in Interior Design	Describes the job responsibilities of each type of interior designer. <u>Activities:</u> For each job student is asked to explore a space specific to what that job does and determine what changes they would make to make the space more suitable depending on user.
9-12	Cultural Geography  Sociology	WG.22-WG.27 Locate, describe, and compare major cultural characteristics in the Regions of _____ (Ex: North, Central, South America; Asia...)  S.10 Compare and Contrast various cultures of the world.	<b>Clothing &amp; Textiles</b> Activity 24: What people in other Cultures Wear?  Activity 9: Fashion – What Influences Today’s Styles (Intermediate)	Describes fabrics/costumes worn by people in different countries/cultures and typical fabrics used based on geographic regions. <u>Activities:</u> student will explore the dress/adornment of specific cultures; create a display or PowerPoint. Describes how current fashions are influenced by different cultures with examples. <u>Activities:</u> 1-student explores clothes they own that is influenced by other cultures; 2-creates a sketch of a garment they would create influenced by a specific culture; 3-Researches other items that are influenced by other cultures base on resources available.
9-12	Economics	E.05 Compare and contrast how the various modern economic systems (i.e., market) attempt to answer the following questions: What to produce? How to produce it? To produce it for whom?	<b>Clothing &amp; Textiles</b> Activity 8: What’s Behind the Retail Price of your Clothes? (Intermediate)	Explains the different factors to the retail price of garments <u>Activities:</u> student will determine the various costs of a specific garment.

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10	Fashion Design	Textile Applications Identify common fabrics.	<b>Clothing &amp; Textiles</b> Activity 22: Learning about Fabrics Weave and Knit Structures	Information about various types of fabric structures and common names including woven vs. knit. <u>Activities:</u> 1-Group stretch comparing woven to knit fabric. 2-Measuring the stretch of woven and knit fabric. 3-Inspecting fabrics with magnifying glasses identifying weave and knit structures and names of fabric. (Instructions in STEM Module Activity 1)
9	Interior Design	C17H12 - 9. 10. Principles and Elements of Design 11. Analyze the color wheel to identify techniques that achieve desired hues, values, and intensities.	<b>Creative Arts &amp; Design</b> Activity 1: Discovering Color Activity 2: Elements of Design - Line Activity 3: Discovering the Elements of Design: Shape, Form Activity 4: Discovering the Principles of Design	<b>Activity 1</b> -Contains information about how color is produced from waves of light, explains colors in color wheel and terminology related to color. <u>Activities:</u> 1- mixing colors to make a color wheel and 2-producing shades and tints of one color and creating a design (abstract, geometric, landscape). <b>Activity 2</b> -Explains the different types of lines and their effect on images and objects. <u>Activities:</u> 1-creating a line drawing, 2-identification, 3-Major activity to create a line montage using various materials and tools. <b>Activity 3</b> -Introduces the concept of Shape and Form with examples. Activities: 1-identifying shape and form in examples; 2-drawing shapes in a specific object <b>Activity 4</b> - introduces concepts of the principles of design with examples. Activities: 1- identifying specific principles of design in examples; 2-drawing an object emphasizing specific principle of design.

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