Fabric Arts

Grade(s):	☐ K ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5	☐ 6 ☐ 7 ☑ 8	☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ Other _____
Discipline/Course:	**Discipline:** Family and Consumer Science		
Course Title:	Fabric Arts		
Prerequisite(s):	n/a		
Course Description: *Program of Studies*	In 8th grade, the fabric arts course is an elective. It allows students a deeper exploration of sewing techniques and potential careers. In fabric arts, the emphasis is on foundational knowledge of sewing terms and practicing basic sewing skills with precision and accuracy. Students see the value of sewing as not only a lifelong practical skill but also one which enables them to express themselves and be creative. They will be introduced to the concept of design involving patterns, fabric selection, and color choices. Students will learn how to properly measure and cut fabric in the construction of a simple garment or accessory and will combine their measuring, cutting and sewing skills to construct a pieced project such as a quilt or wall hanging. Finally, discussion will continue about how sustainability is impacting the textile industry and keeping fabric out of our landfills.		
Course Essential Questions:	• How to maintain a safe sewing room environment? • How does understanding sewing vocabulary help students to become more independent sewists? • What tools help students to more accurately measure and cut? • How do you operate a computerized sewing machine and/or serger/overlock machine? • How do you follow a pattern? • How are individual body measurements taken? • How does accurate measuring, cutting, ironing, and sewing affect the construction of a project? • How do you sew a consistent seam allowance?		

	• How do flat, two-dimensional fabric pieces come together to create a functional, three-dimensional garment that fits? • In what ways does sewing combine textile construction, mathematics, and creativity? • How do color, pattern and composition work together to tell a personal story? • What role do individual students have regarding sustainability and our global footprint?	
Course Enduring Understandings:	• Fundamental understanding of its operation as well as the proper care and use of sewing machines and notions are necessary to keep them functional. • Selecting the appropriate measuring or cutting tool ensures precision and makes jobs easier. • Proper measuring, cutting, pressing and sewing techniques are essential at each stage of construction to achieve a professional outcome. • Following patterned, step-by-step instructions help students to be successful, problem-solve, and feel a sense of self-satisfaction. • When sewing a garment, a consistent seam allowance assures a good fit and uniform strength of stitches while sewing a consistent seam allowance on a pieced project ensures that shapes align, corners match, and the overall design comes together accurately. • Sewing skills are life-long skills that can be used to help minimize the effect of textiles in landfills.	
Duration: **Credit:**	☐ Semester ☐ Full-Year ☑ Other	☐ 0.5 Credit(s) ☐ 1.0 Credit(s) ☐ 1.5 Credit(s) ☑ N/A
Course Materials/Resources:	Sewing machines and notions, fabric, patterns	
FPS Course Academic Expectation(s):	☑ Exploring and Understanding (EU) ☐ Synthesizing and Evaluating (SE) ☑ Creating and Constructing (CC) ☐ Conveying Ideas (CI) ☐ Collaborating Strategically (CS)	

	☐ Using Communication Tools (UCT)
Year at a Glance (Units):	**Unit 1:** Introduction and Exploration of Sewing Machine (~1 week) **Unit 2:** Body Measurements and Garment/Accessory Construction (~3 weeks) **Unit 3:** Pieced Project (~6 weeks)

Unit Number and Title:	**Unit 1:** Introduction and Exploration of Sewing Machine
Duration:	~1 week
Resource(s):	Sewing machines and notions, fabric, patterns
Unit Overview:	Building on the sewing foundation students gained in sewing class in 6th and 7th grade, this class begins with a review of sewing room safety, how a computerized sewing machine operates, how to independently thread the machine and wind a bobbin. We will dive deeper into all the features a sewing machine offers beyond a straight and zig-zag stitch. Discussion will address the impact of sewing and importance of sustainability in regard to the textile industry and landfills.
Learning Goals	
Standard(s):	**Area of Study 16.0 Textiles, Fashion, and Apparel** 16.2.5 Demonstrate appropriate procedures for care and disposal or recycling of textile products, considering diverse needs locally and globally 16.4: Demonstrate skills needed to produce, alter, or repair fashion, apparel, and textile products. 16.4.1 Demonstrate professional skills in using a variety of equipment, tools, and supplies for fashion, apparel, and textile construction, alteration, and repair.
Essential Question(s):	● How to maintain a safe sewing room environment? ● How does understanding sewing vocabulary help students to become more independent sewists? ● What tools help students to more accurately measure and cut? ● How do you operate a computerized sewing machine and/or serger/overlock machine? ● What role do individual students have regarding sustainability and our global footprint?
Enduring Understanding(s):	● Fundamental understanding of its operation as well as the proper care and use of sewing machines and notions are necessary to keep them functional. ● Sewing skills are lifelong skills that can be used to help minimize the effect of textiles in landfills.

Learning Goal(s): *Students will know and will be able to use their learning to:* (Content/ Skills)	**Content:** (Students will know…) ● proper safety protocol in the sewing studio. ● definition of common sewing terms. ● how sewing notions and machines are used. ● what a serger/overlock machine is. ● proper threading of a machine is necessary for it to function properly. ● common troubleshooting procedures. **Skills:** (Students will be able to…) ● operate safely in the sewing room. ● use sewing notions and machines. ● wind a bobbin. ● independently thread a sewing machine. ● Know when a serger/overlock machine is used. ● execute troubleshooting procedures including using a seam ripper.

Unit Number and Title:	**Unit 2:** Body Measurements and Garment/Accessory Construction
Duration:	~3 weeks
Resource(s):	Sewing machines and notions, fabric, patterns
Unit Overview:	Students will learn how having accurate measurements leads to a properly fitting garment. Students will explore how to properly measure body parts, cut fabric and read and follow a pattern. Students will experience the satisfaction of creating something practical, yet personalized. We will explore the emotional side of purchasing something machine made versus something handmade.
Learning Goals	
Standard(s):	**Area of Study 16.0 Textiles, Fashion, and Apparel** 16.4: Demonstrate skills needed to produce, alter, or repair fashion, apparel, and textile products. 16.4.1 Demonstrate professional skills in using a variety of equipment, tools, and supplies for fashion, apparel, and textile construction, alteration, and repair.
Essential Question(s):	● How do you follow a pattern? ● How are individual body measurements taken? ● How does accurate measuring, cutting, ironing, and sewing affect the construction of a project? ● How do you sew a consistent seam allowance? ● How do flat, two-dimensional fabric pieces come together to create a functional, three-dimensional garment that fits? ● What role do individual students have regarding sustainability and our global footprint?
Enduring Understanding(s):	● Selecting the appropriate measuring or cutting tool ensures precision and makes jobs easier. ● Proper measuring, cutting, pressing and sewing techniques are essential at each stage of construction to achieve a professional outcome. ● Following patterned, step-by-step instructions help students to be successful, problem-solve, and feel a sense of self-satisfaction. ● When sewing a garment, a consistent seam allowance assures a good fit and uniform strength of

	stitches while sewing a consistent seam allowance on a pieced project ensures that shapes align, corners match, and the overall design comes together accurately.
Learning Goal(s): *Students will know and will be able to use their learning to:* (Content/ Skills)	**Content:** (Students will know…) ● where and how certain body measurements are taken. ● the value of various cutting tools. ● a consistent seam allowance ensures a good fit and strong seams. ● the purpose and application of basic sewing techniques in creating a garment or accessory such as making a casing or hemming. ● how following step-by-step instructions in order prevents assembly errors and ensures accurate structural alignment. ● how accuracy, craftsmanship, and attention to detail affect the overall quality and durability of a finished product. **Skills:** (Students will be able to…) ● take body measurements. ● cut with shears and rotary cutters. ● sew a consistent ⅝” seam allowance. ● read and translate written step-by-step pattern directions into practical assembly actions. ● perform various sewing techniques such as creating a casing or hemming a pant leg. ● execute troubleshooting procedures.

Unit Number and Title:	**Unit 3:** Pieced Project
Duration:	~6 weeks
Resource(s):	Sewing machines and notions, fabric, patterns
Unit Overview:	The culmination of 8th grade Fabric Arts is to explore the fundamentals of geometric design and construction through the traditional art of quilt-making. This could include a small quilt, oversized pillow, or wall-hanging. Students will learn how precision in planning, measuring, cutting, sewing and ironing come together to build intricate fabric compositions. This project emphasizes the critical role of accuracy of a ¼" seam. Through hands-on piecing, students develop spatial relations, fine motor precision, problem solving and creative expression.
Learning Goals	
Standard(s):	**Area of Study 16.0 Textiles, Fashion, and Apparel** 16:3.2: Apply basic and complex color schemes and color theory to develop and enhance visual effects. 16.4: Demonstrate skills needed to produce, alter, or repair fashion, apparel, and textile products. 16.4.1 Demonstrate professional skills in using a variety of equipment, tools, and supplies for fashion, apparel, and textile construction, alteration, and repair.
Essential Question(s):	● What tools help students to more accurately measure and cut? ● How do you operate a computerized sewing machine and/or serger/overlock machine? ● How do you follow a pattern? ● How does accurate measuring, cutting, ironing, and sewing affect the construction of a project? ● How do you sew a consistent seam allowance? ● In what ways does sewing combine textile construction, mathematics, and creativity? ● How do color, pattern and composition work together to tell a personal story? ● What role do individual students have regarding sustainability and our global footprint?
Enduring	● Proper measuring, cutting, pressing and sewing techniques are essential at each stage of

Understanding(s):	construction to achieve a professional outcome. ● Following patterned, step-by-step instructions help students to be successful, problem-solve, and feel a sense of self-satisfaction. ● When sewing a garment, a consistent seam allowance assures a good fit and uniform strength of stitches while sewing a consistent seam allowance on a pieced project ensures that shapes align, corners match, and the overall design comes together accurately. ● Sewing skills are life-long skills that can be used to help minimize the effect of textiles in landfills.
Learning Goal(s): *Students will know and will be able to use their learning to:* (Content/ Skills)	**Content:** (Students will know…) ● specific roles of sewing notions such as rotary cutters, acrylic quilting rulers, cutting mats, irons, and clips. ● how following step-by-step instructions in order prevents assembly errors and ensures accurate structural alignment. ● the difference between ironing and pressing and when to use each. ● how individual geometric shapes combine to create complex block patterns. ● why maintaining an exact and consistent ¼” seam is essential for block alignment. ● the anatomy of a quilt/wall hanging including the pieced layer, batting and backing. ● how accuracy, craftsmanship, and attention to detail affect the overall quality and durability of a finished product. ● how specific color choices and patterns evoke emotions, set a mood, or represent personal meaning. **Skills:** (Students will be able to…) ● safely and accurately measure and cut fabric. ● sew consistently with a ¼” seam. ● iron and press seams. ● read and translate written step-by-step pattern directions into practical assembly actions. ● execute troubleshooting procedures.

	● select and arrange fabrics using color theory and pattern-mixing to establish an aesthetically pleasing and meaningful design.