

**BILLINGS PUBLIC SCHOOLS
FAMILY CONSUMER SCIENCE
TEXTILES 2
Adopted April 11, 2005**

MISSION STATEMENT

The mission of Family and Consumer Sciences Education is to prepare students for family life, the world of work, and careers in Family and Consumer Sciences by providing opportunities to develop the knowledge, skills, attitude, and behaviors needed for:

- Strengthening the well being of individual and families across the life span.
- Becoming responsible citizens and leaders in family, community, and work settings.
- Promoting optimal nutrition and wellness across the life span.
- Managing resources to meet the material needs of individuals and families.
- Balancing personal, home, family and work lives.
- Using critical and creative thinking skills to address problems in diverse family, community, and work environments.
- Functioning as providers and consumers of goods and services.
- Appreciating human worth and accepting responsibility for one's actions and success in family and work life.

LEARNING DOMAINS

- I. The learner will review basic sewing machine equipment.**
- II. The learner will identify and use appropriately the computer assisted embroidery machine.**
- III. The learner will review basic pressing equipment.**
- IV. The learner will identify various fibers in relation to fabric characteristics and construction.**
- V. The learner will explain different dying processes.**
- VI. The learner will identify serger parts and their functions.**
- VII. The learner will complete pre-construction techniques at the intermediate level.**
- VIII. The learner will complete an intermediate sewing project.**
- IX. The learner will construct project closures.**
- X. The learner will explore trim and other decorative techniques.**
- XI. The learner will explore the fashion industry.**
- XII. The learner will compile a notebook.**
- XIII. The learner will up-date their Portfolio.**

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Learner Objectives

I. The learner will review basic sewing machine equipment.

1. Student will identify the needle stitch plate, feed dog/system, presser foot, spool pin, thread tensions, presser foot lever/ lifter, foot pedal, hand wheel, stitch length control, stitch width control. (I)
2. Student will demonstrate how to replace a needle and how to turn the hand wheel with sewing. (I)

II. The learner will identify and use appropriately the computer assisted embroidery machine.

3. Student will identify embroidery machine parts, their function and safety. (I)
4. Student will properly use the floppy disk when choosing a design for the embroidery machine. (E)
5. Student will demonstrate how to use the proper stabilizer when doing a design on the embroidery machine. (E)
6. Student will produce a sample using the embroidery machine. (E)

III. The learner will identify and demonstrate the use of pressing tools.

7. Student will review basic pressing equipment by:
 - a. reviewing basic pressing techniques. (R)
 - b. reviewing the practice of “press as you sew”. (R)
 - c. using correct pressing equipment. (R)
8. Student will use identify and demonstrate the use of pressing tools in garment construction, such as the following: (E)
 - a. pressing cloth
 - b. sleeve roll
 - c. Tailor’s ham
 - d. sleeve board

IV. The learner will identify various fibers in relation to fabric characteristics and construction.

9. Student will explain how fibers are classified. (R)
10. Student will describe fiber usage in garments. (I)
11. Student will identify fibers through lab testing. (E)
12. Student will examine various fibers and describing their characteristics. (I)
13. Student will identify basic fabric weaves (plain, basket, twill, satin). (I)
14. Student will identify nonwoven fabrics. (knit, felted, bonded) (I)

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Learner Objectives

V. The learner will explain different dyeing processes.

- 15. Student will explain different dyeing processes. (I)
- 16. Student will describe current printing techniques. (I)
- 17. Student will examine how a fabric's texture can be changed. (I)
- 18. Student will create a fabric finish which may include, but is not limited to: (E)**
 - a. embossing**
 - b. hand-painting**
 - c. tie-dye**
 - d. silk screening**
 - e. hand-dyeing, etc.**
 - f. batik**

VI. The learner will identify serger parts and their functions.

- 19. Student will identify the parts of a serger. (I)
- 20. Student will explore the advantages and disadvantages of a serger.
- 21. Student will identify safety procedures and precautions when operating a serger. (E)**
- 22. Student will practice threading and operating the serger. (E)**
- 23. Student will discuss and practice maintenance of a serger. (I)

VII. The learner will complete pre-construction techniques at the intermediate level.

- 24. Student will review alterations, pattern information and layout procedure. (R)
- 25. Student will make necessary pattern alterations. (R)
- 26. Student will apply appropriate fabric and pattern preparation techniques. (R)

VIII. The learner will complete an intermediate sewing project.

- 27. Student will review thread characteristics and selections. (R)**
- 28. Student will review needle characteristics and selections. (R)**
- 29. Student will practice the following intermediate stitching and construction techniques: (E)**
 - a. dart**
 - b. directional stitching**
 - c. ease stitching**
 - d. gathering**
 - e. pleating**
 - f. tucking**
 - g. under stitching**
- 30. Student will complete appropriate techniques for enclosed seams by: (E)**
 - a. clipping**
 - b. notching**
 - c. layering/grading**
 - d. trimming**

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VIII. The learner will complete an intermediate sewing project. (cont.)

- 31. Student will practice correct application techniques for attaching interfacing and facing. (E)**
- 32. Student will apply techniques for constructing one of the following sleeves or a waistband:**
 - a. set in**
 - b. open/flat**
 - c. raglan. (E)**
- 33. Student will identify types and complete correct application of a hem by: (E)**
 - a. completing steps of hem preparation: appropriate length and width; reduce bulk, ease, and pressing**
 - b. demonstrating one of the following hemming techniques: hand stitched, double fold, machine blind, rolled or other.**

IX. The learner will construct project closures.

- 34. Student will construct the following closures by choosing one of the following: (E)**
 - a. snaps**
 - b. hook and eye**
 - c. buttons and buttonholes**
 - d. zippers**

X. The learner will explore trim and other decorative techniques.

- 35. Student will demonstrate a variety of embellishments. (E)**
 - a. trims**
 - b. ruffles**
 - c. lace**
 - d. piping**
 - e. decorative stitching**
 - f. machine embroidery or appliqués**
 - h. photo transfer on fabric**
 - i. thread fusion**
 - j. beading**
 - k. embroidery**

XI. The learner will explore the fashion industry.

- 36. Student will explore the qualities of the successful entrepreneur or fashion business. (I)**
- 37. Student will examine the major responsibility of entrepreneurs and the fashion industry. (I)**
- 38. Student will explore job opportunities in the fashion industry. (I)**

XII. The learner will compile a notebook.

- 39. Student will keep a notebook that includes: (E)**
 - a. written assignments**
 - b. construction techniques (samples)**
 - c. documentation of state competency skills**

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XIII. The learner will update their Portfolio.

- 40. Student will include documentation of clothing and textile projects. (E)**
- 41. Student will update and review interpersonal/relationship skills and assess their relationship to job performance. (E)**
- 42. Student will update and document in-school and out-of-school accomplishments. (E)**
- 43. Student will update and document competency skills. (E)**