# Unit 7: Garment design and construction

Content Area: **Family and Consumer Sciences**
Course(s): **Fashion Technology**
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## Enduring Understandings

Safely utilizing the appropriate tools and machinery is essential to successful construction of garments and accessories

Applied usage of textiles, notions and patterns create wearable apparel and fashion related products

Knowing the parts of a sewing machine is essential to operating it

Construction techniques must be combined to complete an item

Reading, understanding and following the pattern instructions are key to successful garment completion

Good pressing techniques are as important as good sewing techniques

Hand sewing techniques are an integral part of garment construction

## Essential Questions

Why is it important to know how to operate a sewing machine?

What skills are needed to construct clothing?

When following construction directions why is it important to understand sewing terms?

How is knowing figure type and body measurements related to pattern selection?

Why is altering a pattern to fit more advantageous tan altering a garment?

Why should you read through all the steps on the guide sheet before beginning to sew?

How do quality sewing techniques related to apparel production and price point?

What are the skills need to, alter or repair apparel?

Why are hand sewing techniques just as important as machine sewing skills in a garment's conduction?

## Content

Vocabulary:

Figure type

Body measurements

Multisized pattern

Pattern

Notions

Grain line

Cutting line

Notches

Guide sheet

Layout

Shears

Pinking shears

Tape measure

Pin cushion

Sewing gauge

Yardstick

Chalk pencil

Seam

Seam allowance

Clipping

Darts

Hem

Basting Backstitch

Reinforcement stitch

## Skills

Determine appropriate figure type and pattern size by taking accurate measurements

Summarize the importance of pattern ease

Interpret the information on a pattern envelope

Identify items that can be sewn for personal and home decorating use

Describe the tools and equipment needed to complete a sewing project

Evaluate the fabric grain and prepare the fabric for cutting and sewing

Make alterations to a pattern as needed

Demonstrate how to lay out a pattern and cut the fabric in order to make a garment

Demonstrate sewing skills and equipment knowledge by successfully completing a sewing project

## Resources

*Apparel*

*Google search, docs &  slides*

## Standards

| | |
|---|---|
| 16.4 | Demonstrate skills needed to produce, alter, or repair textiles, fashion, and apparel. |
| 16.4.1 | Demonstrate professional skills in using traditional and technologically innovative equipment, tools, and supplies in textiles, fashion, and apparel construction, alteration, repair, and recycling. |
| 16.4.3 | Use appropriate industry products and materials for cleaning, pressing, and finishing textiles, fashion, and apparel. |
| 16.4.4 | Analyze current technology, trends, and innovations that facilitate design and production of textiles, fashion, and apparel. |
| 16.4.5 | Demonstrate basic skills for production, alteration, repair and recycling of textiles, fashion, and apparel. |