

---

**UNIT: SEWING**
**TOPIC: Fabric Construction and Selection**  
**TIMELINE: Day 3**


---



---

**OBJECTIVES:**


---

1. Define the terms fiber and fabric.
  2. Identify the four natural fibers and their characteristics.
  3. Compare and contrast knits, woven and non-woven fabrics.
  4. Identify terms associated with woven fabrics.
- 

---

**MOTIVATOR/INTRODUCTION:**


---

Have two piles of different types of fabrics. Explain the three basic types of fabric, then divide the class into two teams. They must sort the fabrics into the right group. See which team can do it the fastest.

**WOVEN FABRICS**

Woven fabrics are made on a loom by interlacing two sets of yarns together. The lengthwise yarns are placed on the loom first. The weft or crosswise filling yarn is passed over and under the lengthwise yarn from side to side. A number of different weaves can be created by changing the pattern of the crosswise yarns. Some examples of different weaves are: plain, twill, satin, basket.

**KNITTED FABRICS**

Knitted fabrics are made by interlocking loops from a single yarn. Knits stretch more than woven fabrics, especially in the crosswise direction. They are comfortable, can be used in many garments and are easy to take care of--especially because they seldom need ironing.

**NON-WOVEN FABRICS**

Non-Woven Fabrics are neither woven nor knitted. They are made by wetting the fibers, pressing them together, and heating them. Felt is made this way. Bonded fabrics are another example of non wovens. They are used to make paper diapers. Vinyl, which is used on car and bicycle seats, is a non woven fabric.

---

**INFORMATION:**


---

1. Review FABRIC SELECTION--Section 4, from 4-H Clothing Yourself
  2. The teacher should prepare a learning board that correlates with the FABRIC CONSTRUCTION TERMS packet. Students will need to use this as a reference when completing this assignment.
- 

---

**INDIVIDUALIZED ACTIVITIES:**


---

1. Sewing on Knit Fabrics  
(While half the class is sewing, the other half of the class can be completing the reading assignment.)
  2. Fabric Construction Terms
- 

---

**GROUP ACTIVITIES:**


---

## FABRIC CONSTRUCTION AND SELECTION OVERVIEW CONTINUED

---

**CHALLENGE PROJECTS:**

---

Read and answer questions in the packet **BASICS OF FIBERS AND FABRICS**.

---

**SUMMARY:**

---

The type of fabric used to construct a project is of primary importance. One must be aware of the various types of fabrics in order to make wise selections.

---

**RESOURCES:**

---