K-12 Unifying Concept: Our physical world is made of substances, materials, and objects that can be identified by their unique properties, and is organized into systems that are interconnected.

Sub-concept: There are many types of fabrics. Different kinds of fabrics have properties that set them apart from others.

Sub-concept: Fabrics can be made and joined in different ways.

Sub-concept: Properties of different fabrics make them useful in different ways.

Lesson 1.1 Exploration and Feely Boxes
Students explore 10 fabrics, investigating their properties, and playing a matching game with "feely boxes."

Lesson 1.2 Fabric Hunt
Students go on a fabric hunt and label things that are made of fabric.

Lesson 1.3 Fabric Collage
Students continue to explore properties of fabric as they make a collage.

Lesson 1.4 Taking Fabric Apart
Students take fabric apart to discover the over-under pattern used to weave fabric together.

Lesson 1.5 Weaving
Students weave their own piece of fabric using colored yarn and an over-under pattern.

Lesson 1.6 Sewing
Students use a needle and thread to find ways that more than one piece of fabric can be sewn together.

Lesson 2.1 Water and Fabric
Students conduct an investigation to see which fabrics absorb water and which fabrics repel it.

Lesson 2.2 Soiling and Washing Fabric
Students put stains on cloth and try to remove them, first with water, then with detergent and a scrub brush.

Lesson 2.3 Dyeing Fabric
Students use food coloring to dye fabric.

Lesson 2.4 Graphing Fabric Uses
Students make graphs that show the kinds of fabric they would use to make pants and other items.

For more information, please refer to the FOSS Kindergarten curriculum.