Grade K - Fabric (Blue)

Overview

This FOSS module provides students with new experiences introducing them to a variety of fabrics so that they become familiar with fabrics' properties, discover what happens when they are tested and discover how they interact with other material. Fabric, something normally taken for granted, makes a fascinating study for early-childhood students.

In the first activity, students investigate the properties of fabrics, how they are put together, and how they come apart. They simulate the process used to weave fabrics and sew pieces of fabric together to make a design or something useful.

In the second activity, students investigate what happens to fabrics when they interact with other materials. They compare how the fabrics absorb water. They get cloth dirty and investigate the best techniques to get it clean. They dye fabrics to change the color. In the end they put their general knowledge together to discuss what fabrics are better for which uses.

Scientific Processes

- Observe properties of different fabrics.
- Observe how fabric is put together and how it can be taken apart.
- Communicate observations and comparisons of different kinds of fabric and he interactions between water and different fabrics.
- Compare the properties of different fabrics and determine their best uses.
- Observe how water is absorbed.

Assessments

FOSS assessment is organized into three categories:

- **Content knowledge:** the facts and scientific concepts of the module
- **Conducting Investigations:** the skills needed for successful inquiry
- **Building Explanations:** the communication of ideas and evidence to support student learning

*Formative* and *summative* assessment strategies help the teacher understand what the students have learned and can do. Throughout the investigations, teachers use formative assessment strategies to inform their instruction, and the end-of-module and portfolio summative assessments provide evaluate information.

The Fabric Module is a Full Options Science System (FOSS) module created by the Lawrence Hall of Science at the University of California at Berkeley. It is published and distributed by Delta Education, Inc.