

Textile Technology

Course Description

This course will focus on the importance of textiles in society. Students will explore how textiles are produced and how appropriate performance characteristics are incorporated into materials and products with a focus on sports and outdoor products. This course examines the global impact of the textile industry including production and care.

Priority Standards / CTE Strands

- Explore the characteristics of natural (cotton, hemp, linen, silk, wool) and manufactured fibers (aramid, lyocell, nylon, olefin, polyester, spandex) in the sports and outdoor industry.
- Explore the global impact of the textile industry.
- Analyze fabric and product production.
- Apply principles of the design process by reverse engineering a project.

Performance Skills

- Conduct an experiment that identifies the physical and performance properties of at least two natural and three manufactured fibers.
- Debate an issue regarding global impact of the textile industry.
- Investigate a variety of multi-layer products to determine materials used.
- Experiment with fabric finishes.
- Create a soft goods project through reverse engineering.
- Integrate CTSO FCCLA into the course.
- Develop professional and interpersonal skills needed for success in the industry.

