



Radnor High School Course Overview



Textile Arts 1 1131

General Information

Credits: 0.5
Weighted: N/A
Prerequisite: N/A

Length: Semester
Format: Meets Daily
Grade: 9, 10, 11, 12

I. Course Description

Textile Arts students will acquire basic skills in clothing construction, and hand and machine sewing. Additionally, students will gain knowledge about fabrics and principles of design. Students choose their own fabric and pattern and work on individual projects which are appropriate for their skill level. Textile Arts encourages creativity, and provides an opportunity for hands-on activities as you use your sense of design. It also provides the opportunity to develop lifelong skills and experience the rewards of successfully completed projects.

Major Units of Study

Introduction – 3 weeks
Garment Projects – 15 weeks

Common Core Standards

Introduction

16.3.7 Demonstrate ability to use technology for fashion, apparel, and textile design.

Garment Projects

- 16.2.1 Apply appropriate terminology for identifying, comparing, and analyzing the most common generic textile fibers.
- 16.2.2 Evaluate performance characteristics of textile fiber and fabrics.
- 16.2.4 Analyze effects of textile characteristics on design, construction, care, use, and maintenance of products.
- 16.2.5 Apply appropriate procedures for care of textile products
- 16.3.1 Explain the ways in which fiber, fabric, texture, pattern, and finish can affect visual appearance.
- 16.3.2 Apply basic and complex color schemes and color theory to develop and enhance visual effects.
- 16.3.3 Utilize elements and principles of design in designing, constructing, and/or altering textile, apparel, and fashion products.
- 16.3.7 Demonstrate ability to use technology for fashion, apparel, and textile design.
- 16.4.1 Demonstrate professional skills in using a variety of equipment, tools, and supplies for fashion, apparel, and textile construction, alteration, and repair.
- 16.4.3 Use appropriate industry products and materials for cleaning, pressing, and finishing textile, apparel, and fashion products.
- 16.4.5 Demonstrate basic skills for producing and altering textile products and apparel.

Keystone Connections:

A1.1.1 Operations with Real Numbers and Expressions

- **A1.1.1.1** Represent and/or use numbers in equivalent forms (e.g., integers, fractions, decimals, percents, square roots, and exponents).
- **A1.1.1.2** Apply number theory concepts to show relationships between real numbers in problem-solving settings.
- **A1.1.2.2** Write, solve, and/or graph systems of linear equations using various methods.

G.2.1 Coordinate Geometry and Right Triangles

- **G.2.1.2** Solve problems using analytic geometry

L.N.1 Reading for Meaning—Nonfiction

- **L.N.1.2** Use appropriate strategies to determine and clarify meaning of vocabulary in literature
- **L.N.1.3** Use appropriate strategies to comprehend literature during the reading process

Student Objectives:

Introduction – Students will:

- Learn how to properly use sewing equipment and apply this knowledge through various activities

Garment Projects – Students will:

- Work with and acquire knowledge of a variety of fabrics
- Learn how to use and understand a pattern
- Complete garments and accessories using basic sewing procedures
- Improve problem solving ability
- Enhance creative skills
- Explore careers in textile arts and related fields

Materials

Introduction

- Bernina 1008 Sewing Machine
- Equipment Identification Worksheets
- Sewing Practice Worksheets
- Sewing websites
- Ironing equipment

Garment Projects

- Bernina 1008 Sewing Machine
- Hand Sewing Equipment (Fabric, Buttons, Thread)
- Garment project envelopes, patterns, and directions
- Fabric
- Notions
- Ironing equipment

Activities, Assignments, & Assessments

Introduction

- Written quiz
- Threading a Sewing Machine assessment

Garment Projects

- Completion of Sewing Projects

Common Assessment:

Vocabulary Quiz

Threading a Sewing Machine assessment

Performance on completing sewing projects

Terminology

- Sewing Terms
- Sewing Tools
- Ironing Tools
- Machine Parts
- Fabric Terms
- Pattern Terms
- Hand Sewing Terms

Media, Technology, Web Resources

- SewCoolInSchool.com
- Style.com
- Teacher's website