



Textile Merit Badge Workbook

SCOUTMASTER BUCKY

SScouts participating in a Scoutmaster Bucky merit badge opportunity, whether online or in person, should consider using the Textile merit badge pamphlet for discovery and knowledge, along with the class preparation pages for clarifications, insights, and expectations.

<https://scoutmasterbucky.com/merit-badges/textile/textile-pamphlet.pdf>

<https://scoutmasterbucky.com/merit-badges/textile/textile-cpp.pdf>

REQUIREMENT 1: Discuss with your counselor the importance of textiles.

Notes:

REQUIREMENT 1: Explain the terms fiber, fabric, textile. Give examples of textiles you use every day.

Fiber:

Fabric:

Textile:

REQUIREMENT 1: Give examples of textiles you use every day.

Notes:



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REQUIREMENT 2a: Get swatches of two natural fiber fabrics (100 percent cotton, linen, wool or silk; no blends).	
REQUIREMENT 2b: Give the origin, major characteristics, and general content of each type of fiber.	
NATURAL FIBER FABRIC #1:	
Name:	
<div>place sample here</div>	Major Characteristics:
Origin:	
General Content:	



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NATURAL FIBER FABRIC #2:

Name:

Major Characteristics:

place sample here

Origin:

General Content:



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REQUIREMENT 2a: Get swatches of two synthetic fiber fabrics (nylon, polyester, acrylic, olefin, or spandex).

REQUIREMENT 2b: Give the origin, major characteristics, and general content of each type of fiber.

SYNTHETIC FIBER FABRIC #1:

Name:

Major Characteristics:

place sample here

Origin:

General Content:



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SYNTHETIC FIBER FABRIC #2:

Name:

Major Characteristics:

place sample here

Origin:

General Content:



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REQUIREMENT 2a: Get a sample of one cellulosic fabric (rayon, acetate or lyocell).

REQUIREMENT 2b: Give the origin, major characteristics, and general content of each type of fiber.

CULLULOSIC FABRIC #1:

Name:

Major Characteristics:

place sample here

Origin:

General Content:



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REQUIREMENT 2b: Explain the difference between a cellulosic manufactured fiber and a synthetic manufactured fiber.

Notes:

REQUIREMENT 2c: Describe the main steps in making raw fiber into yarn, and yarn into fabric.

Notes:

REQUIREMENT 2d: Assume you will soon buy a new garment or other textile item. Tell your counselor what fiber or blend of fibers you want the item to be, and give reasons for your choice.

Notes:



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DO TWO OF THE FOLLOWING (3A, 3B, 3C, 3D, 3E, 3F, or 3G) FOR REQUIREMENT 3

REQUIREMENT 3a: Visit a textile plant, textile products manufacturer or textile school or college. Report on what you saw and learned.

Textile Facility and Location:

Person's Name and Position that you spoke with at this location:

Notes:



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REQUIREMENT 3b: Weave a belt, headband, place mat or wall hanging. Use a simple loom that you have made yourself.

Be sure to bring any work you have done to share with your merit badge counselor

Consider using the [Textile Merit Badge Pamphlet](#) for preparation information

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 3c: With a magnifying glass, examine a woven fabric, a nonwoven fabric, and a knitted fabric. Sketch what you see. Explain how the three constructions are different.

WOVEN FABRIC:

Name:

Notes:

sketch here

NONWOVEN FABRIC:

Name:

Notes:

sketch here



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KNITTED FABRIC:

Name:

Notes:

sketch here

REQUIREMENT 3d: Make a piece of felt.

Be sure to bring any work you have done to share with your merit badge counselor
Consider using the [Textile Merit Badge Pamphlet](#) for preparation information
This requirement must be reviewed with your merit badge counselor.
BE PREPARED!

REQUIREMENT 3e: Make two natural dyes and use them to dye a garment or a piece of fabric.

Be sure to bring any work you have done to share with your merit badge counselor
Consider using the [Textile Merit Badge Pamphlet](#) for preparation information
This requirement must be reviewed with your merit badge counselor.
BE PREPARED!

REQUIREMENT 3f: Waterproof a fabric.

Be sure to bring any work you have done to share with your merit badge counselor
Consider using the [Textile Merit Badge Pamphlet](#) for preparation information
This requirement must be reviewed with your merit badge counselor.
BE PREPARED!

REQUIREMENT 3g: Demonstrate how to identify fibers, using a microscope identification or the breaking test.

Be sure to bring any work you have done to share with your merit badge counselor
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This requirement must be reviewed with your merit badge counselor.
BE PREPARED!



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REQUIREMENT 4:

Explain the meaning of 10 of the following terms: warp, harness, heddle, shed, aramid, spandex, sliver, yarn, spindle, distaff, loom, cellulose, sericulture, extrusion, carbon fibers, spinneret, staple, worsted, nonwoven, greige goods.

warp:

harness:

heddle:

shed:

aramid:



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spandex:

sliver:

yarn:

spindle:

distaff:



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loom:

cellulose:

sericulture:

extrusion:

carbon fibers:



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spinneret:

staple:

worsted:

nonwoven:

greige goods:



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REQUIREMENT 5: List the advantages and disadvantages of natural plant fibers, natural animal fibers, cellulosic manufactured fibers, and synthetic manufactured fibers.

NATURAL PLANT FIBERS

Advantages

Disadvantages

NATURAL ANIMAL FIBERS

Advantages

Disadvantages



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CELLULOSIC MANUFACTURED FIBERS

Advantages

Disadvantages

SYNTHETIC MANUFACTURED FIBERS

Advantages

Disadvantages



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REQUIREMENT 5: Identify and discuss at least four ecological concerns regarding the production and care of textiles.

Ecological Concern #1:

Ecological Concern #2:

Ecological Concern #3:

Ecological Concern #4:



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REQUIREMENT 6: Explain to your counselor, either verbally or in a written report, five career possibilities in the textile industry.

Career Opportunity #1:

Career Opportunity #2:

Career Opportunity #3:

Career Opportunity #4:

Career Opportunity #5:

REQUIREMENT 6: Tell about two positions that interest you the most and the education, cost of training and specific duties those positions require.

POSITION #1

Title:

Education Requirements:

Cost of Training Requirements:

Specific Duties for this Position:



POSITION #2

Title:

Education Requirements:

Cost of Training Requirements:

Specific Duties for this Position:

