

Textile





This workbook can help you but you still need to read the merit badge pamphlet.

This Workbook can help you organize your thoughts as you prepare to meet with your merit badge counselor. You still must satisfy your counselor that you can demonstrate each skill and have learned the information. You should use the work space provided for each requirement to keep track of which requirements have been completed, and to make notes for discussing the item with your counselor, not for providing full and complete answers.

If a requirement says that you must take an action using words such as "discuss", "show",

"tell", "explain", "demonstrate", "identify", etc, that is what you must do.

Merit Badge Counselors may not require the use of this or any similar workbooks.

No one may add or subtract from the official requirements found in Scouts BSA Requirements (Pub. 33216 – SKU 653801).

The requirements were last issued or revised in 2004 • This workbook was updated in June 2020.

_____ Unit: _____ Scout's Name:____ Counselor's Name: Phone No.: Email: http://www.USScouts.Org • http://www.MeritBadge.Org Please submit errors, omissions, comments or suggestions about this workbook to: Workbooks@USScouts.Org Comments or suggestions for changes to the <u>requirements</u> for the <u>merit badge</u> should be sent to: Merit Badge@Scouting.Org 1. Discuss with your merit badge counselor the importance of textiles. In your discussion, define the terms fiber, fabric, and textile. Fiber; Fabric: Textile:

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Textile	Scout's Name:
Give examples of textiles you use	every day.
☐ Get swatches of two ☐ Get a sample of one	natural-fiber fabrics (100 percent cotton, linen, wool, or silk; no blends). synthetic-fiber fabrics (nylon, polyester, acrylic, olefin, or spandex). cellulosic fabric (rayon, acetate, or lyocell). aracteristics, and general content of each type of fiber obtained for 2a.
Natural Swatch type:	
Origin:	
Major characteristic	S:
General content:	
National Constabilities	
Natural Swatch type:	
Origin:	
Major characteristic	g.
Major Grianacieristic	J
General content:	
Ocheral Content.	

Scout's Name: _ Textile Synthetic Swatch type: Origin: Major characteristics: General content: Synthetic Swatch type: Origin: Major characteristics: General content: Cellulosic Swatch type: Origin: Major characteristics: General content:

Tex	xtile		Scout's Name:		
			Explain the difference between a cellulosic manufactured fiber and a synthetic manufactured fiber.		
	(C.	Describe the main steps in making raw fiber into yarn, and yarn into fabric.		
	(d.	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.		
3.			of the following:		
	<u></u>	a.	Visit a textile plant, textile products manufacturer, or textile school or college. Report on what you saw and learned.		

Te	xtile			Scout's Name:
		b.	Weave a bel	t, headband, place mat, or wall hanging. Use a simple loom that you have made yourself.
		C.		ifying glass, examine a woven fabric, a nonwoven fabric, and a knitted fabric. Sketch what you see. the three constructions are different.
	П	d.	Make a piece	e of felt.
			•	tural dyes and use them to dye a garment or a piece of fabric.
			Waterproof a	
		-		e how to identify fibers, using microscope identification or the breaking test.
4.				of 10 of the following terms: warp, harness, heddle, shed, aramid, spandex, sliver, yarn, spindle, distaff, ulture, extrusion, carbon fibers, spinneret, staple, worsted, nonwoven, greige goods.
		wa	rp,	
		har	ness,	
		hed	ddle,	
		she	ed,	
		ara	ımid,	

Textile		Scout's Name:
	spandex,	
	sliver,	
	,	
Ш	yarn,	
	spindle,	
	diatoff	
Ш	distaff,	
	loom,	
	cellulose,	
	·	
	sericulture,	

Textile			Scout's Name:
	extrusion,		
	carbon fibers,		
	,		
	spinneret,		
	staple,		
	worsted,		
	nonwoven,		
Ш	greige goods.		
5. List	the advantages and	disadvantages of natural plant fibers, natural anima	al fibers, cellulosic manufactured fibers, and
synthetic manufactured		Advantage	Disable state
	latural plant fibers	Advantages	Disadvantages
Γ	Natural plant fibers,		

	Natural animal fibers,	
	Cellulosic	
	manufactured fibers	
	Synthetic manufactured fibers	
Ιd	entify and discuss at least for	r ecological concerns regarding the production and care of textiles.
1	entity and discuss at least lot	li dediagical contents regarding the production and care of textiles.
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2		
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3		
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Textile

Scout's Name:

Textile	Scout's Name:		
4			
6. Explain to your merit badge cou	nselor, either verbally or in a written report, five career possibilities in the textile industry.		
1			
2			
3			
4			
5			
	1		

extile	Scout's Name:
Tell about two positions	that interest you the most and the education, cost of training, and specific duties those positions requir
Position 1:	
Education:	
Cost of Training:	
Specific Duties:	
Position 2:	
Education:	
Cost of Training:	
Specific Duties:	

When working on merit badges, Scouts and Scouters should be aware of some vital information in the current edition of the *Guide to Advancement* (BSA publication 33088). Important excerpts from that publication can be downloaded from http://usscouts.org/advance/docs/GTA-Excerpts-meritbadges.pdf.

You can download a complete copy of the Guide to Advancement from http://www.scouting.org/filestore/pdf/33088.pdf.