

## **Graphic Arts**





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 Boy Scout Requirements (Pub. 33216 – SKU 637685).

The requirem	nents were last issued or revised in 2012 •	This workbook was updated in <u>June 2017.</u>
Scout's Name:		Unit:
Counselor's Name:		
	rors, omissions, comments or suggestions ab	tp://www.MeritBadge.Org  out this workbook to: Workbooks@USScouts.Org  terit badge should be sent to: Merit.Badge@Scouting.Org
Review with your co- electronic/digital, reli	ief, and gravure.	ed communications: offset lithography, screen printing,
Offset lithography:		
Screen printing:		
Electronic/digital:		
Relief:		

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	Product	Process
ı.		
2.		
3.		
Explain the difference b	etween continuous-tone, line, and half	tone artwork.
Continuous-tone:		
Line:		
Halftone artwork:		
Describe how digital image	ages can be created and/or stored in a	computer.
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Scout's Name: \_\_\_\_\_

Graphic Arts

ic Arts	Scout's Name:
• .	ed piece (flier, T-shirt, program, form, etc.) and produce it. ecisions for the typeface or typefaces you use and the way you arrange the elements in your design.
Typeface(s)	
Arrangement:	
Explain which	printing process is best suited for printing your design.
	printing process to acceptance for printing year acceptance
If desktop pub	lishing is available, identify what hardware and software would be appropriate for outputting your design.
Produce the d	esign you created for requirement 3 using ONE of the following printing processes:
	t lithography
	yout and produce a plate using a process approved by your counselor. Run the plate and print at least 50
copies.	en process printing
Make a h	in process printing
•	and-cut or photographic stencil and attach it to a screen that you have prepared. Mask the screen and
	ast 20 copies.
the press	
-	ast 20 copies.  ronic/digital printing ayout in electronic form, download it to the press or printer, and run 50 copies. If no electronic interface to

**Graphic Arts** Scout's Name: \_\_\_\_ 5. Review the following postpress operations with your counselor: a. Discuss the finishing operations of padding, drilling, cutting, and trimming. Padding: Drilling: Cutting: Trimming: b. Collect, describe, or identify examples of the following types of binding: perfect, spiral, plastic comb, saddle stitched, and case. Perfect: Spiral: Plastic comb: Saddle stitched: Case: 6. Do ONE of the following, then describe the highlights of your visit: a. Visit a newspaper printing plant: Follow a story from the editor to the press.

c Arts	Scout's Name:
	Visit a retail, commercial, or in-plant printing facility: Follow a project from beginning to end.
□ c.	Visit a school's graphic arts program: Find out what courses are available and what the prerequisites are
☐ d.	Visit three websites (with your parent's permission) that belong to graphic arts professional organizations and/or printing-related companies (suppliers, manufacturers, printers): With permission of your parent or counselor, print out or download product or service information from two of the sites.
	1.
	2.
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Scout's Name: \_

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 <a href="http://usscouts.org/advance/docs/GTA-Excerpts-meritbadges.pdf">http://usscouts.org/advance/docs/GTA-Excerpts-meritbadges.pdf</a>.

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

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