



# SCOUTMASTER BUCKY

Scouts participating in a Scoutmaster Bucky merit badge opportunity (online or in-person), should consider using the Graphic Arts merit badge class preparation pages for clarifications, insights, and expectations.

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

Requirement 6d requires parent / guardian approval ahead of time.

Requirement 4a requires counselor approval ahead of time.

**REQUIREMENT 1:** Review with your counselor the processes for producing printed communications: offset lithography, screen printing, electronic/digital, relief, and gravure.

Offset Lithography:

Screen Printing:

Electronic / Digital:

Relief:



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Gravure:

**REQUIREMENT 1:** Collect samples of three products, each one produced using a different printing process, or draw diagrams to help you with your description.

Product 1:

Product 2:

Product 3:



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**REQUIREMENT 2:** Explain the differences between continuous tone, line, and halftone artwork.

Continuous Tone:

Line:

Halftone:

**REQUIREMENT 2:** Describe how digital images can be created and/or stored in a computer.

Notes:



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**REQUIREMENT 3:** Design a printed piece (flier, T-shirt, program, form, etc.) and produce it.

**This requirement must be reviewed with your merit badge counselor.**

**BE PREPARED!**

**REQUIREMENT 3:** Explain your decisions for the typeface or typefaces you use and the way you arrange the elements in your design.

Notes:

**REQUIREMENT 3:** Explain which printing process is best suited for printing your design.

Notes:

**REQUIREMENT 3:** If desktop publishing is available, identify what hardware and software would be appropriate for outputting your design.

Notes:



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**REQUIREMENT 4:** Produce the design you created for requirement 3 using one of the following printing processes:

**DO ONE OF THE FOLLOWING (4A, 4B, 4C, or 4D) FOR REQUIREMENT 4**

**REQUIREMENT 4a:** Offset lithography Make a layout, and produce a plate using a process approved by your counselor. Run the plate and print at least 50 copies.

**This requirement must be reviewed with your merit badge counselor.  
BE PREPARED!**

\_\_\_\_\_  
Counselor's Name

\_\_\_\_\_  
Phone or Email

\_\_\_\_\_  
Counselor's Signature

\_\_\_\_\_  
Date  *approved*

**REQUIREMENT 4b:** Screen printing Make a hand-cut or photographic stencil and attach it to a screen that you have prepared. Mask the screen and print at least 20 copies.

**This requirement must be reviewed with your merit badge counselor.  
BE PREPARED!**

**REQUIREMENT 4c:** Electronic/digital printing Create a layout in electronic form, download it to the press or printer, and run 50 copies. If no electronic interface to the press or printer is available, you may print and scan a paper copy of the layout.

**This requirement must be reviewed with your merit badge counselor.  
BE PREPARED!**

**REQUIREMENT 4d:** Relief printing Prepare a layout or set the necessary type. Make a plate or lock up the form. Use this to print 50 copies.

**This requirement must be reviewed with your merit badge counselor.  
BE PREPARED!**



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**REQUIREMENT 5:** Review the following postpress operations with your counselor:

**This requirement must be reviewed with your merit badge counselor.**

**BE PREPARED!**

**REQUIREMENT 5a:** Discuss the finishing operations of padding, drilling, cutting, and trimming.

Padding:

Drilling:

Cutting:

Trimming:



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**REQUIREMENT 5b:** Collect, describe, or identify examples of the following types of binding: perfect, spiral, plastic comb, saddle stitch, case.

Perfect:

Spiral:

Plastic Comb:

Saddle Stitch:

Case:



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**DO ANY TWO OF THE FOLLOWING (6A, 6B, 6C, or 6D) FOR REQUIREMENT 6**

**REQUIREMENT 6a:** Visit a newspaper printing plant. Follow a story from the editor to the press.

Facility:

Date, Time, and Location of Visit:

Notes:





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**REQUIREMENT 6b:** Visit a retail, commercial, or in-plant printing facility. Follow a project from beginning to end.

Facility:

Date, Time, and Location of Visit:

Notes:



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**REQUIREMENT 6c:** Visit a school's graphic arts program. Find out what courses are available and what the prerequisites are.

Facility:

Date, Time, and Location of Visit:

Notes:



## Graphic Arts Merit Badge Workbook

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**REQUIREMENT 6d:** Visit three websites (with your parent or guardian's permission) that belong to graphic arts professional organizations and/or printing-related companies (suppliers, manufacturers, printers). With permission from your parent, guardian or counselor, print out or download product or service information from two of the sites.

Parent's Name \_\_\_\_\_

Phone or Email \_\_\_\_\_

Parent's Signature \_\_\_\_\_

Date  *approved*

**WEBSITE #1**

URL: \_\_\_\_\_

Notes: \_\_\_\_\_

**WEBSITE #1**

URL: \_\_\_\_\_

Notes: \_\_\_\_\_

**WEBSITE #1**

URL: \_\_\_\_\_

Notes: \_\_\_\_\_



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**REQUIREMENT 7:** Find out about three career opportunities in graphic arts.

Career Opportunity #1:

Career Opportunity #2:

Career Opportunity #3:

**REQUIREMENT 7:** Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor.

Selected Career Opportunity:

Educational Requirements:

Training Requirements:

Experience Requirements:

**REQUIREMENT 7:** Explain why this profession might interest you.

Notes: