

SCOUTMASTER BUCKY

Graphic Arts Merit Badge

2024 Edition



Expectations

- Active interaction/participation is expected and mandatory.
- Share in your own words – avoid reading your answers.
- Pay attention to the action verbs.
- Bring proof of completion (even partially completed work)



Things to Remember to Bring

1. Your BSA ID# and / or your Merit Badge Blue Card properly filled out and signed off by your Scout Leader
2. Graphic Arts Merit Badge Pamphlet
3. Scout Uniform
4. Consider bringing a smock or an old work shirt for in-class project work.
5. Supporting documentation or project work pertinent to this merit badge which may also include a Merit Badge Workbook for reference with notes.
6. A positive Scouting focus and attitude





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Requirements Insights

Req	Expectation(s)
1	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. • Bring your collected print communication samples per the requirement
2	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. • Review this requirement ahead of time to help formulate how you will answer during class discussion.
3	• While this requirement will be completed during the class, Scouts are encouraged to plan and come to the class prepared to share their conceptual ideas
4	• This requirement will be completed during the class.
5	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. • Review this requirement ahead of time to help formulate how you will review your findings with the counselor.
6	• Scouts are encouraged to visit (in person or virtually) one of the choices (6a, 6b, or 6c) prior to the class and be prepared to describe the highlights of their visit. Bringing proof of visit is highly recommended, if possible. • Scouts choosing option 6d, need to remember to bring proof of parent's permission along with their findings.
7	You will be able to successfully complete this requirement during the class if you have prepared ahead of time. • Time will be allotted for those Scouts who have prepared for this requirement to share their work for sign off consideration.

Merit Badge Workbooks are a tool to aid Scouts with their work preparation. BSA discourages — but does not ban — the use of any merit badge worksheets or workbooks. Merit badge counselors must NEVER require the use of merit badge worksheets or workbooks and may if they choose, refuse to accept them. Scouts shall not be required to use ANY of these to complete a merit badge.





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GRAPHIC ARTS MERIT BADGE WORKBOOK

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 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.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement must be reviewed with your merit badge counselor.

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.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement must be reviewed with your merit badge counselor.

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

Counselor's Name

Phone

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.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement must be reviewed with your merit badge counselor.

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

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.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement must be reviewed with your merit badge counselor.

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

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

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement must be reviewed with your merit badge counselor.

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



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

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement must be reviewed with your merit badge counselor.

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-stitched, and case and review with your counselor.

Perfect:

Spiral:

Plastic Comb:

Saddle-Stitched:

Case:



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DO ONE OF THE FOLLOWING (6A, 6B, 6C, or 6D), THEN DESCRIBE THE HIGHLIGHTS OF YOUR VISIT

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

Facility:

Location:

Date and Time 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:

Location:

Date and Time 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:

Location:

Date and Time of Visit:

Notes:



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REQUIREMENT 6d: 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 from your parent or counselor, print out or download product or service information from two of the sites.

Parent's Name

Phone

Parent's Signature

Date

permission

Website #1:

Product or Service information downloaded and printed from this website:

Website #2:

Product or Service information downloaded and printed from this website:

Website #3:

Product or Service information downloaded and printed from this website:



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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: