



GRAPHIC ARTS

BYU Merit Badge PowWow

Official Merit Badge Worksheet.

Scout's Name

Instructor's Name

Scout's Address

City

State

Zip

Instructions

- 1) The Scout is to review the merit badge book before the first week of the PowWow.
- 2) Bring this worksheet, paper, and pen or pencil each week.
- 3) **Bring a Merit Badge blue card with you on the second week.**

Requirement Instructions*

- 1) Requirements 1, 2, 5, 6, and 7 should be completed during the two sessions of the PowWow.
- 2) Requirements 3 & 4 must be completed as **homework** between the two sessions of the PowWow

* Due to possible time constraints at the PowWow, certain requirements that were originally planned to be completed in class may need to be completed as homework. Please LISTEN to ALL INSTRUCTIONS in class to be aware of any changes.

Requirement 1

Initial

Review with your counselor the processes for producing printed communications:

- Lithography

- Screen printing

- Electronic/digital

- Relief

- Gravure

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

Requirement 2
Continuous Tone:

Initial

Line:

Halftone:

Requirement 3 **Initial**
Design a printed piece (flier, T-shirt, program, form, etc.) to be produced. Explain your decisions for the typeface or typefaces you use and the way you arrange the elements in your design. Explain which printing process is best suited for printing your design. If desktop publishing is available, identify what hardware and software would be appropriate for outputting your design.

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

- a) 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.
- b) 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.
- c) 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.
- d) Relief printing: Prepare a layout or set the necessary type. Make a plate or lock up the form. Use this to print 50 copies.

Requirement 5
Review the following postpress operations with your counselor:

Initial

Discuss the finishing operations of:

- Padding -
- Drilling -
- Cutting -
- Trimming -

Collect, describe, or identify examples of the following types of binding:

- Perfect -
- Spiral -
- Plastic comb -
- Saddle stitched -
- Case -

Requirement 6

Initial

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.
- b. 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 Web sites (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.

Highlights from your visit:

Requirement 7**Initial**

Find out about three career opportunities in graphic arts. Pick one and find out the education, training, and experience required for this profession. Discuss this with your counselor, and explain why this profession might interest you.

Merit badge worksheets will not be accepted at the Council Office in place of the official Merit Badge Application Card. Those who do not complete all the requirements should take their partially completed merit badge worksheet and their official application card to their local merit badge counselors for completion.