

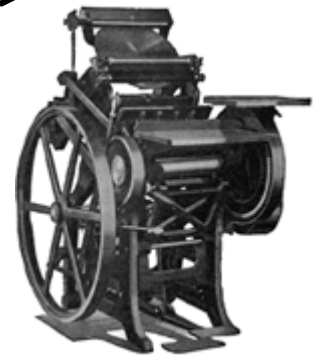
Visit the "Scouting with Mr. R." web site at:  
<http://www.relia.net/~thedane/scouting.html>

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# GRAPHIC ARTS PASSPORT



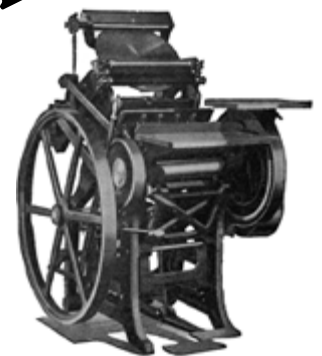
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# GRAPHIC ARTS PASSPORT



## PROCESSES (1)

□ Review with your counselor these processes for producing printed communications. You may show samples or draw diagrams to help with your description.

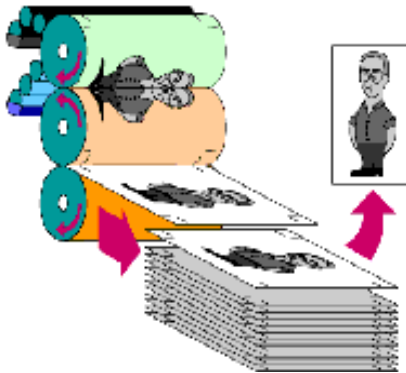
offset lithography: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



<http://www.bobs.co.uk/print/Offset.html>

## GRAPHIC ARTS

S G T Z S N E G G S A D D L E  
 E U V Y G F N R G P T J I A Q  
 C C O I P I E N U R Y T J T A  
 D U S U T E I I I V H Q B I R  
 S E T N N D F M L O A I E G E  
 D P I T D I M A G E N R Z I P  
 F R I A I I T R C D R D G D A  
 P V P R N N A N A E I R I R P  
 B Q E G A P G R O K N I H T S  
 Z C G J H L Y R I C K L O E W  
 M J P Y N E E R C S K L I S E  
 C A O H A L F T O N E I S F N  
 T R A E N I L T H G M N K F V  
 C O M B I N G P S X Y G O O J  
 S O B C F C I H P A R G I Z U

- |            |             |            |
|------------|-------------|------------|
| BINDARY    | GRAVURE     | PRINTING   |
| COMBING    | HALFTONE    | RELIEF     |
| CONTINUOUS | INK         | SADDLE     |
| CUTTING    | LINEART     | SILKSCREEN |
| DESIGN     | LITHOGRAPHY | SPIRAL     |
| DIGITAL    | NEWSPAPER   | TRIMMING   |
| DRILLING   | OFFSET      | TYPEFACE   |
| GRAPHIC    | PADDING     |            |

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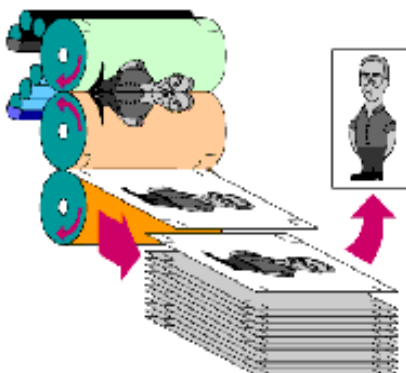
offset lithography: \_\_\_\_\_

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\_\_\_\_\_

\_\_\_\_\_



<http://www.bobs.co.uk/print/Offset.html>

## GRAPHIC ARTS

S G T Z S N E G G S A D D L E  
 E U V Y G F N R G P T J I A Q  
 C C O I P I E N U R Y T J T A  
 D U S U T E I I I V H Q B I R  
 S E T N N D F M L O A I E G E  
 D P I T D I M A G E N R Z I P  
 F R I A I I T R C D R D G D A  
 P V P R N N A N A E I R I R P  
 B Q E G A P G R O K N I H T S  
 Z C G J H L Y R I C K L O E W  
 M J P Y N E E R C S K L I S E  
 C A O H A L F T O N E I S F N  
 T R A E N I L T H G M N K F V  
 C O M B I N G P S X Y G O O J  
 S O B C F C I H P A R G I Z U

- |            |             |            |
|------------|-------------|------------|
| BINDARY    | GRAVURE     | PRINTING   |
| COMBING    | HALFTONE    | RELIEF     |
| CONTINUOUS | INK         | SADDLE     |
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| DIGITAL    | NEWSPAPER   | TRIMMING   |
| DRILLING   | OFFSET      | TYPEFACE   |
| GRAPHIC    | PADDING     |            |

### VISIT (7)

Do **ONE** of the following, and then describe the highlights of your visit:

- ☐ Visit a newspaper printing plant: Follow a story from the editor to the press.
- ☐ Visit a commercial or in-plant printing facility: Follow a job from beginning to end.
- ☐ Visit a school's graphic arts program: Find out what courses are available and what the prerequisites are.
- ☐ Visit **THREE** Web sites on the Internet that belong to graphic arts professional organizations and/or printing-related companies (suppliers, manufacturers, printers): Download product or service information from two of the sites.



### VISIT (7)

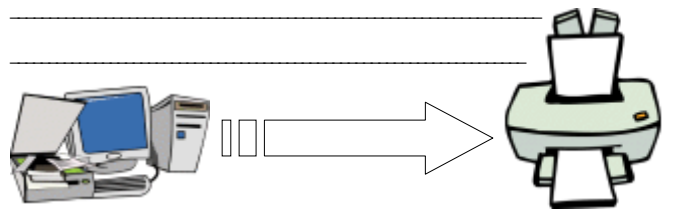
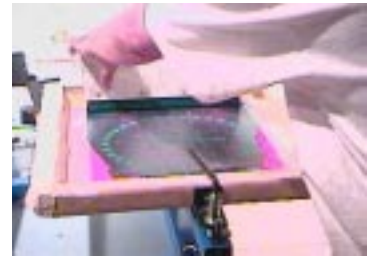
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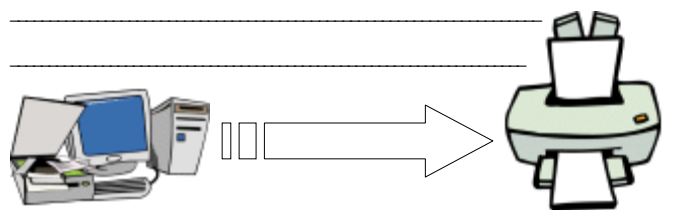
screen process printing:  
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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

electronic/digital:  
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 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_



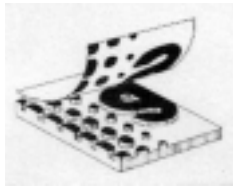
screen process printing:  
 \_\_\_\_\_  
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electronic/digital:  
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 \_\_\_\_\_



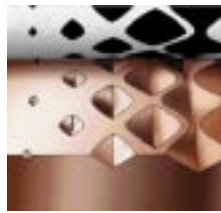
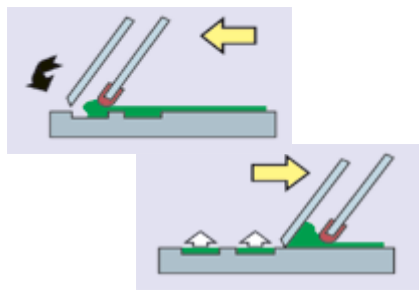
relief: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



gravure: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

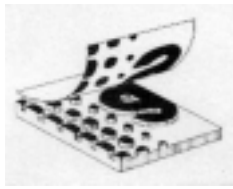


<http://www.domic.co.nz/coates.htm>

<http://www.geocities.com/lecomtedominique/techan.html>

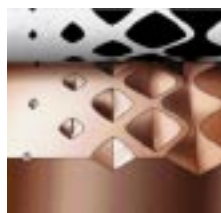
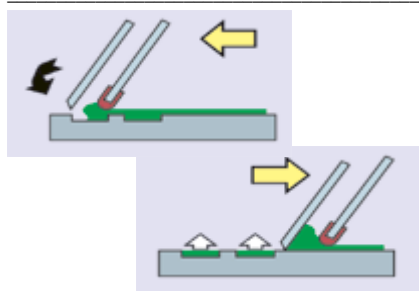
relief: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



gravure: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



<http://www.domic.co.nz/coates.htm>

<http://www.geocities.com/lecomtedominique/techan.html>

## CAREERS (6)

Identify three career opportunities in graphic arts.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

See <http://www.khake.com/page27.html>



How you can prepare for them?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

<http://www.jwfergusson.com/capabilities/offset.html>

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\_\_\_\_\_  
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How you can prepare for them?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

<http://www.jwfergusson.com/capabilities/offset.html>

### POSTPRESS OPERATIONS (5)

Review the following with your counselor:

Discuss the finishing operations of paddling, drilling, cutting, and trimming.

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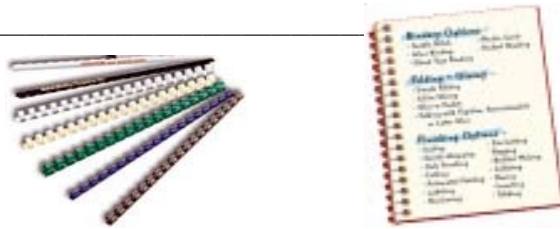
---

Collect, describe, or identify examples of the following types of binding: perfect, spiral, plastic comb, saddle stitched, and case.

---

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Discuss the finishing operations of paddling, drilling, cutting, and trimming.

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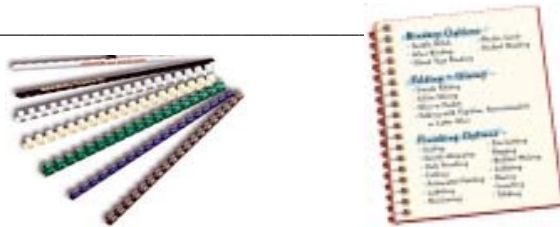
---

Collect, describe, or identify examples of the following types of binding: perfect, spiral, plastic comb, saddle stitched, and case.

---

---

---



### ARTWORK (2)

Explain the difference between these artworks:



continuous-tone: \_\_\_\_\_

---

line: \_\_\_\_\_

---



halftone: \_\_\_\_\_

---

---

---



Describe how it can be created and/or stored in a computer.

### ARTWORK (2)

Explain the difference between these artworks:

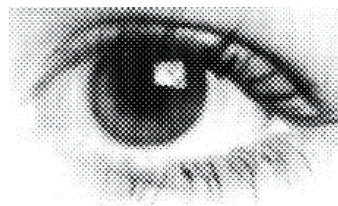


continuous-tone: \_\_\_\_\_

---

line: \_\_\_\_\_

---



halftone: \_\_\_\_\_

---

---

---



Describe how it can be created and/or stored in a computer.

**DESIGN (3)**

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



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.

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



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 hardware and software are available, identify what hardware and software would be appropriate for outputting your design.

**PRODUCTION (4)**

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

 **Offset lithography**

Make a layout and then produce a plate using a process approved by your counselor. Run the plate and print at least 50 copies.

 **Screen process 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.

 **Electronic/digital printing**

Make 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.

 **Relief printing**

Prepare a layout or set the necessary type. Make a plate or lock up the form. Use this to print 50 copies.

If desktop publishing hardware and software are available, identify what hardware and software would be appropriate for outputting your design.

**PRODUCTION (4)**

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

 **Offset lithography**

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 **Screen process 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.

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