

GRAPHIC ARTS 2
GRADES 11-12
(1 Semester - Prerequisite: Graphic Arts 1)

COURSE OVERVIEW:

Students will build on the processes introduced in Graphic Arts 1. They will expand their knowledge in the areas of electronic publishing, offset printing, screen printing, and heat seal printing. An emphasis will be placed on advanced electronic image assembly and output including the use of a digital camera, advanced offset printing, and advanced heat seal printing. Students will design and print multi-color projects using an offset printing press, screen printer, and heat seal printer. Career opportunities in graphic arts will also be explored.

UNITS OF INSTRUCTION:

- UNIT I - Career Overview
- UNIT II - Lab Safety
- UNIT III - Legal Restrictions
- UNIT IV - Photo-Offset Theory
- UNIT V - Copy Planning and Preparation
- UNIT VI - Paste-Up Principles and Procedures
- UNIT VII - Computer Typesetting Procedures
- UNIT VIII - Line Photography
- UNIT IX - Photo Platemaking Techniques
- UNIT X - Electronic Publishing
- UNIT XI - Multiple Color Screen Printing
- UNIT XII - Glass Etching Techniques
- UNIT XIII - Sign Making Techniques
- UNIT XIV - Stamp Making

STUDENT OUTCOMES:

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| <ol style="list-style-type: none">1. Acquaint students with graphic arts careers.2. Familiarize students with two color offset printing.3. Familiarize students with multi color screen printing.4. Provide opportunities for students to print multi color offset printing.5. Provide opportunities for students to screen print multiple colors.6. Develop advanced desktop publishing techniques.7. Provide students opportunities to further develop glass etching techniques.8. Provide students opportunities to print and cut using a vinyl cutter. |
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MAJOR LEARNING EXPERIENCES TO ACHIEVE OUTCOMES:

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| <ol style="list-style-type: none">1. Set up and use an offset printing press to print two color projects.2. Screen up to six colors on a six color station screen printer.3. Design documents using "Microsoft Publisher" computer program.4. Sandblast etch glasses and mirrors.5. Print documents using laser printers, color printers, and dry toner printers.6. Scan and import graphics using a flatbed scanner.7. Process film negatives and positives in a graphic arts darkroom.8. Design and produce stamps. |
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ADOPTED TEXT OR PRINCIPAL MATERIALS USED:

<p>Hird, Kenneth F. <i>Offset Lithographic Technology</i>. South Holland, IL: Goodheart-Wilcox Company, 1991.</p> <p><i>Express Publisher</i> computer program.</p> <p><i>Page Maker</i> computer program.</p>
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(04/25/00)