

GRAPHIC ARTS 1
GRADES 11-12
(1 Semester)

COURSE OVERVIEW:

Graphic Arts 1 provides students with an introduction to the processes and equipment used in the graphic arts area. Students will work in the areas of electronic image assembly, paste-up, scanning, digital images, typesetting, line photography, black and white photography, plate preparation, offset press setup and operation, screen printing, heat seal printing, and glass etching. Students will use resources in the graphics lab to design and complete projects.

UNITS OF INSTRUCTION:

- UNIT I - Lab Safety
- UNIT II - Photo-Offset Theory
- UNIT III - Copy Planning and Preparation
- UNIT IV - Typesetting Procedures
- UNIT V - Line Photography
- UNIT VI - Platemaking
- UNIT VII - Electronic Publishing
- UNIT VIII - Digital Photo Editing
- UNIT IX - Screen Printing
- UNIT X - Vinyl Cutting and Printing
- UNIT XI - Glass Etching
- UNIT XII - Sign Design

STUDENT OUTCOMES:

<ol style="list-style-type: none">1.2.3.4.5.6.7.	<ol style="list-style-type: none">1. Acquaint students with graphic arts careers.2. Familiarize students with the process of offset printing.3. Familiarize students with screen-printing.4. Familiarize students with vinyl cutting and printing.5. Provide opportunities for students to print using an offset press.6. Provide opportunities for students to print using silk screens.7. Acquaint students with various desktop publishing programs.
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MAJOR LEARNING EXPERIENCES TO ACHIEVE OUTCOMES:

<ol style="list-style-type: none">1.2.3.4.5.6.7.	<ol style="list-style-type: none">1. Set up and use an offset printing press.2. Screen print on shirts.3. Design documents using a computer.4. Print documents using desktop publishing programs, laser printers, color printers, and dry toner printers.5. Produce film negatives and positives in a darkroom.6. Sandblast etch glass, metal, wood, or plastic.7. Design and produce vinyl signs, stickers and iron ons.
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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>
