

<b>DEPARTMENT: TECHNOLOGY EDUCATION</b>	<b>COURSE TITLE: COMMUNICATION TECHNOLOGY I</b> <b>COURSE NUMBER: 502A</b>
<b>GRADE(S): 9 - 12</b>	<b>PRE-REQUISITES (NONE)</b>

<b>UNIT</b>	<b>LENGTH</b>	<b>CONTENT</b>	<b>SKILLS</b>	<b>METHODS OF ASSESSMENT</b>	<b>FRAMEWORK STRAND(S) &amp; STANDARD(S)</b>
Introduction	1 week	<ul style="list-style-type: none"> <li>The Universal Systems Model of organizing technological problems</li> <li>The Technology Problems Solving Method as it relates to the Scientific Method</li> <li>Lab safety</li> </ul>	Students will: <ul style="list-style-type: none"> <li>Apply the Universal Systems Model and Technology Problem Solving Method to problems of everyday life as well as communication problems</li> </ul>	<ul style="list-style-type: none"> <li>Oral explanation and/or projects</li> </ul>	STE-S-4, 9/10, 1.1  STE-S-4, 6/8, 1.6
Silk screen printing	3 weeks	<ul style="list-style-type: none"> <li>Silk screen techniques</li> </ul>	Students will: <ul style="list-style-type: none"> <li>Use an Exacto knife and squeegee</li> <li>Be able to cut, adhere and dissolve the stencil film</li> <li>Demonstrate printing and registration of multicolored projects</li> <li>Explain and mix colors and shades</li> <li>Be able to print and clean up</li> </ul>	<ul style="list-style-type: none"> <li>Design and execution of a print</li> <li>Class participation and teacher observation</li> </ul>	STE-S-4, 9/10-6.1  STE-S-4, 6-8-3.2
Cereal box design	2 weeks	<ul style="list-style-type: none"> <li>Design layout and box or package construction</li> </ul>	Students will <ul style="list-style-type: none"> <li>Be able to draw, color, paint, layout, cut out, construct and assemble a food package</li> <li>Identify and apply standard color combinations and common design characteristics (balance, contrast, rhythm, basic color theory and typography)</li> <li>Identify required and optional information on packaging and identify regulatory agencies involved</li> </ul>	<ul style="list-style-type: none"> <li>Design and construction of an individual size box of cereal</li> <li>Class participation and teacher observation</li> <li>The final project</li> <li>Peer evaluations</li> </ul>	SET-S-4, 9/10-6.1
Computer design	3.5 weeks	<ul style="list-style-type: none"> <li>Freehand, Illustrator, and PageMaker to design and create print out line ready projects</li> </ul>	Students will: <ul style="list-style-type: none"> <li>Design and produce: business cards, letterheads, logos, ads, flyers, tickets and other projects</li> <li>Use: tools, formatting functions, color palettes, layers, master pages and templates</li> <li>Identify and apply standard color combinations and common design</li> </ul>	<ul style="list-style-type: none"> <li>Design appropriate for the subjects they chose</li> <li>Class participation and peer evaluations</li> <li>Demonstrations of ability to use technology</li> </ul>	STE-S-4-6-8, 3.2-3.5  ITRS- 9-12, 1.3-1.8, 1.22-1.25, 2.2, 2.3

			characteristics (balance, contrast, rhythm, basic color theory and typography)		
Duplication	2.5 weeks	<ul style="list-style-type: none"> <li>Printing processes (offset press and the Riso copy machine)</li> </ul>	<p>Students will:</p> <ul style="list-style-type: none"> <li>Operate the offset presses and the Riso copy machine</li> <li>Know the different parts of the offset press and know the set-up and adjustments for the different machines (feed, registration, delivery, inking printing, fountain systems)</li> </ul>	<ul style="list-style-type: none"> <li>Teacher observation of final copies</li> <li>Demonstrated ability to set-up run and adjust the machines</li> </ul>	STE-9/10-S-4, 6.1