

**GOODHEART-WILCOX PUBLISHER**  
**CORRELATION TO THE MISSISSIPPI CURRICULUM FRAMEWORKS**

**Instructional Category – Trade & Industrial (Vocational)**  
**Course – General Drafting I (CIP 48.0101)**  
**Grades 9-12**

**TITLE: *Drafting & Design* © 2008**

<b>Unit 1 - Orientation and Safety</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Discuss program and vocational center policies and procedures.	39–40	
2. Examine drafting occupation job titles with qualifications and responsibilities, and identify areas of specialization in the drafting profession.	31–36, 715, 735, 749, 761, 779, 795, 805	
3. Develop leadership in a vocational student organization (VSO).	40	
4. Discuss office safety.	52–53	
<b>Unit 2 - Introduction to Drafting</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Explain the purpose of technical drawing and freehand technical sketches.	22–24, 131–132	
2. Create freehand technical sketches.	132–139, 155–157	
3. Identify and demonstrate drafting tools and media.	41–70	
4. Demonstrate skills in mathematical concepts related to drafting technology.	53–58, 176, 207, 229, 235, 237	

<b>Unit 3 - Lettering</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Demonstrate the techniques of lettering, and construct uppercase gothic letters and numerals.	139–149	
<b>Unit 4 - Geometric Constructions</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Define basic geometric shapes and terms.	169, 173, 213–214, 228, 230, 231	
2. Construct various geometric shapes using constructional techniques on a drawing table.	164–212, 214–239	
<b>Unit 5 - Computer Aided Drafting (CAD)</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Use CAD hardware and software.	77–99, 101–130	
2. Create text using appropriate style and size on a CAD system.	150–153	
3. Create a basic CAD drawing.	85–98, 230–231, 261	
<b>Unit 6 - Orthographic Projections</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Describe terms, views, line types, and the spacing of views used in orthographic projections.	241–261	
2. Construct principal views in orthographic projections.	243–253	
3. Construct orthographic views using a CAD station.	261, 269–280	
<b>Unit 7 - Dimensioning</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>

1. Apply general rules, line types, and notes for dimensioning per ANSI standards.	281–314	
<b>Unit 8 - Apply general rules, line types, and notes for dimensioning per ANSI standards.</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Describe and identify the types of sectional views.	318–323	
2. Construct full and half section views.	318–319, 332–334	
3. Construct a full and half section view using CAD.	327–329, 332–334	
<b>Unit 9 - Auxiliary Views</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Describe and construct primary auxiliary views.	408–419, 429–433, 437–439	
2. Construct a primary auxiliary view using CAD.	412, 416–419, 429–433, 437–439	
<b>Unit 10 - Pictorial Drawings</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Identify the different types of pictorial drawings.	347–348	
2. Construct pictorial drawings.	353–394, 397–405	
3. Construct an isometric drawing on the CAD system.	353–358, 362, 397–405	
<b>Unit 11 - Machine Drafting</b>		
	<b>Pupil Edition Page References</b>	<b>Teacher Edition Page References</b>
1. Identify terms and symbols associated with machining and manufacturing processes.	292–295, 572–574, 692–696	
2. Identify thread forms and representations of threads and fasteners.	615–650	
3. Produce an assembly drawing.	591–593, 608–612	

- All competencies and objectives must be listed even though you may not correlate to the competencies and/or objectives. Please write "NA" in the page reference if there is no correlation.
- If you have an annotated teacher edition (ATE), then you may correlate to that one book as it contains both the pupil and teacher edition. Please indicate that you are correlating to the ATE.
- If you have a series of books that are being submitted, please do a correlation for each book. Each book's correlation should stand-alone.