

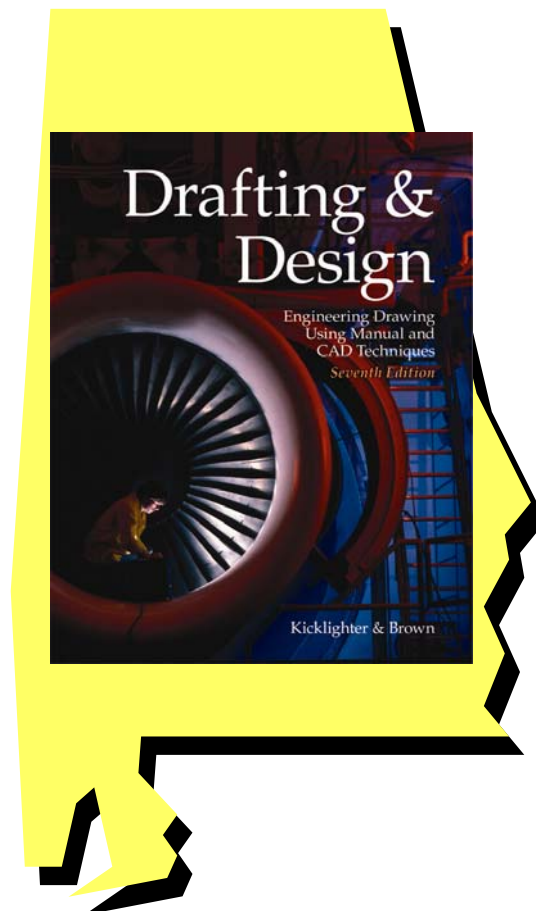


**Goodheart-Willcox Publisher**

**Correlations to the Alabama Career Cluster  
Curriculum**

**Career and Technical Education - Comprehensive  
Course: Intermediate Drafting Design  
Grades 9-12**

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| CONTENT STANDARD   | CORRELATING PAGE NUMBERS |
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| <b>Section Views</b>   |                          |
| Students will:   |                          |
|  |                          |
| Demonstrate the proper use of sectional view concepts to create a full section, half section, broken-out section, offset section, revolved section, and a removed section. | 315–346                  |
| Utilizing cutting planes   | 315–316                  |
| Applying section lining  | 316–318                  |
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| <b>Auxiliary Views</b>   |                          |
|  |                          |
| Create drawings of inclined surfaces.  | 407–439                  |
| Constructing primary auxiliary views   | 408–419                  |
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| <b>Threads and Fasteners</b>   |                          |
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| Create drawings illustrating detailed, schematic, and simplified thread representations.   | 620–633                  |
| Identifying common thread terms  | 616–617                  |
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| <b>Pictorial Views</b>   |                          |
|  |                          |
| Utilize pictorial concepts to produce an isometric drawing.  | 349–368                  |
| Identifying oblique, trimetric, diametric views  | 368–381                  |
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| <b>Dimensioning</b>  |                          |
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| Apply dimensions, notes, and other relative  | 281–314                  |

|   |                           |
|---|---------------------------|
| information to a drafting design project.                                     |                           |
| Examples: Dimensions—angular, linear, tolerances                              | 284–285, 291–292, 549–586 |
|   |                           |
| Utilizing American National Standards Institute (ANSI) dimensioning standards | 281–301, 549–586          |
| Identifying dimensioning symbols and tolerances                               | 281–314, 549–586, 692–696 |