



*Correlation of*  
**Modern Cabinetmaking, 5e, ©2016**  
to the  
**Texas Essential Knowledge and Skills (TEKS)**  
**Course: §130.50 Mill and Cabinet Making Technology**

The following chart lists the Knowledge and Skills Statements and Student Expectations for the Texas Essential Knowledge and Skills (TEKS) for Mill and Cabinet Making Technology. For each Student Expectation, the corresponding pages in *Modern Cabinetmaking* are listed.

| Student Expectations   | Textbook Page(s)                   |
|--|------------------------------------|
| <b>(1) The student demonstrates professional standards/employability skills as required by business and industry. The student is expected to:</b>              |                                    |
| (1) (A) identify employment opportunities, including entrepreneurship and preparation requirements for mill and cabinetmaking                                  | 31–40, 42 (Activity #1), 47–51     |
| (1) (B) demonstrate an understanding of group participation and leadership related to citizenship and career preparation                                       | 33–34, 41 (TYK #4)                 |
| (1) (C) identify employers' expectations and appropriate work habits   | 35–37, 42 (TYK #8)                 |
| (1) (D) apply the competencies related to resources, information, systems, and technology in appropriate settings and situations                               | 145–147, 508                       |
| (1) (E) demonstrate knowledge of the concepts and skills related to health and safety in the workplace, as specified by appropriate government regulations     | 13–28, 103, 114–115, 376, 711      |
| <b>(2) The student relates core academic skills to the requirements of mill and cabinetmaking. The student is expected to:</b>                                 |                                    |
| (2) (A) demonstrate effective verbal and written communication skills with individuals from varied cultures, including fellow workers, managers, and customers | 33, 35, 37–38, 46, 50, 135–137     |
| (2) (B) complete work orders and related paperwork   | 144–145, 199, 203, 345–352         |
| (2) (C) estimate supplies, materials, and labor costs for work orders  | 109, 145, 345–352                  |
| (2) (D) apply the principles of mathematics for accurate standard and metric measurements  | 150–165, 195–196, 348–349          |
| (2) (E) read and interpret appropriate blueprints, drawings, charts, and diagrams  | 124–131, 136–137, 141–145, 727–737 |

| Student Expectations   | Textbook Page(s)   |
|--|--|
| <b>(3) The student knows the concepts and skills that form the core knowledge of mill and cabinetmaking. The student is expected to:</b>   |  |
| (3) (A) demonstrate knowledge of cabinetmaking design  | 75–85, 87–93, 95–103, 105–115  |
| (3) (B) demonstrate knowledge of the use of woods, fasteners, hardware, glass, and mirrors   | 173–179, 207–230, 271–294, 297–317, 321–341  |
| (3) (C) demonstrate knowledge of the industrial processes and procedures used in mill and cabinetmaking  | 3–11, 43, 45–47, 183–204   |
| <b>(4) The student knows the function and application of the tools, equipment, technologies, and materials used in mill and cabinetmaking. The student is expected to:</b>                       |  |
| (4) (A) use in a safe manner hand and power tools and equipment commonly employed in mill and cabinetmaking  | 13–28, 362, 383–384, 407, 419, 429, 456, 538, 545, 600   |
| (4) (B) handle and dispose of environmentally hazardous materials used in mill and cabinetmaking   | 11, 16–19, 23, 555, 558, 564, 567, 883, 887, 893, 926, 942   |
| (4) (C) demonstrate the proper procedures to saw, plane, shape, turn, bore, mortise, and sand various types of woods   | 355–368, 371–407, 411–419, 421–444, 447–472, 475–500, 521–531, 533–550, 666–672                                    |
| (4) (D) demonstrate knowledge of new and emerging technologies that may affect mill and cabinetmaking  | 42 (Activity #5), 46 (Green Note), 76 (Green Note), 190 (Green Note), 503–518, 618 (Activity #1), 955 (Green Note) |
| <b>(5) The student applies the concepts and skills of mill and cabinetmaking to simulated and actual work situations. The student is expected to:</b>  |  |
| (5) (A) identify and construct the various joints used in cabinetmaking  | 466, 657–687, 785–790  |
| (5) (B) demonstrate the proper procedures to glue, clamp, laminate, veneer, and inlay wood   | 553–567, 571–586, 589–600, 603–616, 619–631  |
| (5) (C) demonstrate the proper procedures to construct and install cabinet doors, furniture doors, drawers, drawer guides, shelves, cabinet interiors, legs, posts, table tops, and cabinet tops | 721–737, 741–748, 751–766, 769–781, 783–796, 799–809, 811–842  |
| (5) (D) apply proper finishing techniques  | 883–891, 893–901, 903–926, 929–942, 945–959  |