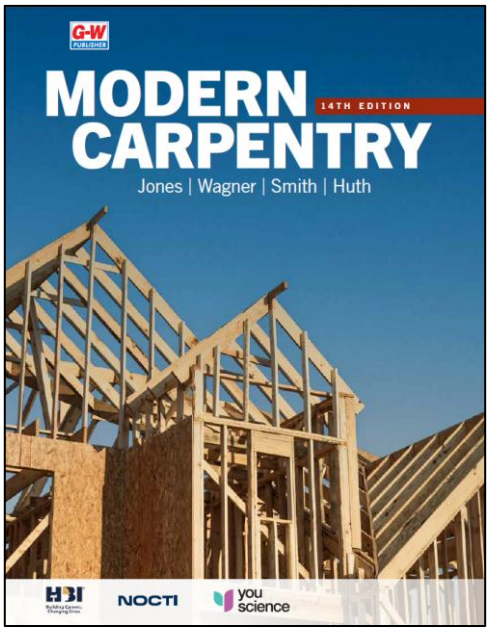
Modern Carpentry, 14th edition

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to
HBI Residential Carpentry Skill Standards

Goodheart-Willcox is pleased to partner with the Home Builders Institute by correlating *Modern Carpentry* to their Residential Carpentry Skill Standards. Home Builders Institute (HBI) is the nation's leading provider of trade skills training in residential construction.

The correlation chart below lists the Standards and Objectives for the Residential Carpentry Skill Standards in the left column. Corresponding content from *Modern Carpentry* that can be used by a student to help achieve the standard and objective is listed in the right column.

For more information about HBI, visit www.hbi.org.



Standards / Objectives	Textbook Pages
Standard 1: Wood and Lumber	
Objective 1.1 Hardwood and softwood properties	pgs. 48–49, 53–55
Objective 1.2 Moisture content	pgs. 50–52
Objective 1.3 Grades and sizes of lumber	pgs. 55–56, 59–62, 579
Objective 1.4 Types & species of lumber	pgs. 48–49, 56–67
Standard 2: Engineered Products, Panels & Sheet Goods	
Objective 2.1 Plywood	pgs. 56–61
Objective 2.2 OSB	pgs. 61–62
Objective 2.3 Siding	pgs. 468–473, 475, 481–506
Objective 2.4 Particleboard	pgs. 62, 550
Objective 2.5 Drywall, wallboard, cement board	pgs. 550–554, 560–561, 589

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Objective 2.7 Soft board (e.g., ceiling tiles)	pgs. 567–568
Objective 2.8 Insulation board	pgs. 501, 518–520
Objective 2.9 Waterproofing membranes (plastic, etc.)	pgs. 78, 408–409
Objective 2.10 Plastic laminates	pgs. 586–587, 592, 662
Objective 2.11 Metal framing products	pgs. 68–72, 344–345, 347–355
Standard 3: Engineered Structural Components	
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Objective 3.2 Parallel strand lumber and laminated strand lumber	pgs. 66–67
Objective 3.3 Wood & steel beams & columns	pgs. 246–252, 344–345, 347–355
Objective 3.4 Wood floor & roof trusses	pgs. 329–336, 576–580, 585–588
Objective 3.5 Steel floor & roof trusses	pgs. 347–350, 354–355, 392–396
Objective 3.6 Precast concrete structural components	pgs. 67, 216–217, 734–735
Objective 3.7 Sheer panels (e.g., Simpson panels—regional)	pgs. 737–740
Objective 3.8 Insulated structural panels (e.g., SIPs, EIFs)	pgs. 295–296, 498–502, 740
Objective 3.9 Glue-laminated lumber	pgs. 65, 796
Standard 4: Fasteners	
Objective 4.1 Nails, screws, bolts, staples	pgs. 72–76, 345, 348, 365–366, 384, 387, 395
Objective 4.2 Anchors, ties & connectors	pgs. 76, 254, 313, 355, 457
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Standard 5: Hand Tools	
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Objective 5.2 Leveling & layout tools	pgs. 90, 180–182, 191
Objective 5.3 Boring and cutting tools	pgs. 91–94
Objective 5.4 Fastening and dismantling tools	pgs. 94–97
Standard 6: Portable Power Tools	
Objective 6.1 Saws, drills and drivers	pgs. 106–107, 108–115
Objective 6.2 Planes, routers, and sanders	pgs. 115–118

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Objective 6.3 Fastening tools (power-actuated, etc.)	pgs. 118–120
Standard 7: Stationary Tools	
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Objective 7.2 Table saws	pgs. 124–125
Objective 7.3 Band saws	See also power saw, pgs. 120–121
Objective 7.4 Sanders	pg. 117–118
Objective 7.5 Mortises, boring tools & shapers	pgs. 125–126
Objective 7.6 Joiner/planer	pgs. 115, 120–126
Objective 7.7 Drill press	pg. 114
Objective 7.8 Brakes	pgs. 488–489
Standard 8: Blueprints and Building Codes	
Objective 8.1 Site plans (Plot plans, etc.)	pgs. 148, 151–159, 177
Objective 8.2 Building plans (floor plans, sections, elevations)	pgs. 151–158
Objective 8.3 Engineering drawings (trusses, foundations, seismic, connectors)	pgs. 151–165
Objective 8.4 Building codes and zoning regulations	pgs. 166–172, 176
Standard 9: Construct Concrete Forms	
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Objective 9.2 Identify concrete forms (panels, ICFs, etc.)	pgs. 225–227, 734–735
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Objective 9.5 Construct concrete stair forms	pgs. 233–234
Objective 9.6 Construct slab-on-grade forms (incl. Vapor barriers)	pgs. 229–233
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Objective 9.8 Identify & place anchoring devices	pgs. 206–208
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