

Correlation of the National Standards for Area of Study 11.0—Housing and Interior Design with *Housing and Interior Design* ©2018

In planning your program, you may want to use the following chart. It correlates the National Standards for Family and Consumer Sciences Education with the content of *Area of Study 11—Housing and Interior Design* to the ***Housing and Interior Design*** textbook. The National Standards for Family and Consumer Sciences were developed by the *National Association of State Administrators of Family and Consumer Sciences (NASAFACS)*. The chart lists the page numbers for the Competencies for each Content Standards within the Housing and Interior Design area of study. Feature titles are shown in italic-bold type.

After studying the content of this text, students will be able to achieve the following *Comprehensive Standard*:

Area of Study 11.0—Integrate knowledge, skills, and practices required for careers in housing and interior design.

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Content Standard 11.1		
Analyze career paths within the housing, interior design, and furnishings industries.		
Competencies		Text Pages
11.1.1	Explain the roles and functions of individuals engaged in housing and interior design careers.	Text: 620, 622 Career Focus (features): 21, 54, 67, 70, 96, 100, 130, 149, 166, 176, 221, 233, 236, 261, 280, 317, 331, 347, 365, 394, 421, 439, 447, 468, 471, 498, 527, 557, 579, 591, 621, 658, 674
11.1.2	Analyze career paths and opportunities for employment and entrepreneurial endeavors.	Text: 627–628, 662–677
11.1.3	Summarize education, training, and credentialing requirements and opportunities for career paths in housing and interior design.	Text: 623–631 Career Focus (features): 21, 166, 176, 261, 280, 331, 365, 394, 471, 621, 674
11.1.4	Analyze the impact of housing and interior design careers on local, state, national, and global economies.	Text: 37–40, 42–44, 56–57
11.1.5	Create an employment portfolio for use with applying for internships and work-based learning	Text: 23, 57, 187, 107, 133, 151, 169,

	opportunities in housing and interior design careers.	188, 223, 249, 267, 295, 319, 335, 355, 371, 399, 417–419, 425, 451, 475, 501, 535, 567, 587, 613, 633, 642, 661, 677
11.1.6	Analyze the role of professional organizations in housing and interior design professions.	Text: 629–633
11.1.7	Analyze the attitudes, traits, and values of professional responsibility, accountability and effectiveness required for careers in housing and interior design.	Text: 618–620, 636–638, 645–661 Green Choices (features) 80, 139, 209, 241, 542
Content Standard 11.2		
Evaluate housing and design concepts and theories, including green design, in relation to available resources and options.		
Competencies		Text Pages
11.2.1	Evaluate the use of elements and principles of design in housing and commercial and residential interiors.	Text: 321–371
11.2.2	Analyze the psychological impact that the principles and elements of design have on the individual.	Text: 10, 338–339, 349, 354–355 Sociocultural Connections (feature) 330, 341, 515
11.2.3	Analyze the effects that the principles and elements of design have on aesthetics and function.	Text: 321–371
11.2.4	Apply principles of human behavior such as ergonomics and anthropometrics to design of housing, interiors, and furnishings.	Text: 162, 330, 359, 371, 495 Housing Health & Safety (feature) 495 Sociocultural Connections (features) 162, 330
Content Standard 11.3		
Apply housing and interior design knowledge, skills and processes to meet specific design needs.		
Competencies		Text Pages
11.3.1	Analyze product information, including but not limited to floor coverings, wall coverings, textiles, window treatments, furniture, lighting fixtures, kitchen and bath fixtures and equipment.	Text: 250–267, 428–535 Housing Health & Safety (features) 258, 275, 466, 495
11.3.2	Evaluate manufacturers, products, and materials considering environmental protection, care and maintenance, and safety issues.	Text: 449, 450–451, 455–456, 464, 466–467, 500

11.3.3	Demonstrate measuring, estimating, ordering, purchasing, pricing, and repurposing skills.	Text: 273, 381–384, 388–391, 399, 472–475, 504, 507–509, 529–533, 535 STEM Math (features) 19, 117, 137, 144, 210, 246, 273, 306, 327, 444, 454, 460, 462, 465, 502, 507, 529, 548, 556
11.3.4	Appraise various interior furnishings, fixtures, appliances, and equipment to provide cost and quality choices for clients.	Text: 268–295, 476–509, 512–529
11.3.5	Examine the impact of housing, interiors, and furnishings on the health, safety, and welfare of the public.	Text: 271–276, 294–295, 440, 442, 449–451 Housing Health & Safety (features) 217, 254, 258, 275, 305, 466, 495, 580, 585, 654
11.3.6	Demonstrate design processes such as determining the scope of the project, programming, research, concept development, proposal, schematic design, design drawing, and design presentation development.	Text: 373–413, 424–425, 509, 567, 613, 633
Content Standard 11.4		
Demonstrate design, construction documents reading, and space-planning skills required for the housing, interior design, and furnishings industries.		
Competencies		Text Pages
11.4.1	Interpret information provided on construction documents.	Text: 136–151
11.4.2	Evaluate floor plans for efficiency and safety in areas including but not limited to zones, traffic patterns, storage, and electrical, and mechanical systems.	Text: 152–199, 224–249
11.4.3	Draft an interior space to scale using architecture symbols.	Text: 151, 169, 199
11.4.4	Arrange furniture placement with reference to principles of design, traffic flow, activity, and existing architectural features.	Text: 162–167, 169, 173–199
11.4.5	Apply building codes, universal guidelines, and regulations in space planning and furniture arrangement.	Text: 52, 56, 74, 78–79, 87, 162–167, 169–199, 202, 204, 211–212, 223, 377–378, 394 Green Choices (features) 63–64, 139,

		209, 241, 344, 440 Sociocultural Connections (features) 162, 330, 515
11.4.6	Demonstrate graphic communication skills (CAD, PowerPoint ©, sketching).	Text: 45, 87, 105, 133, 136–148, 151, 169, 199, 223, 295, 319, 335, 371, 405–409, 422, 425, 509, 633
Content Standard 11.5		
Analyze design and development of architecture, interiors, and furnishings through the ages.		
Competencies		Text Pages
11.5.1	Describe features of furnishings that are characteristic of various historical periods.	Text: 476–488
11.5.2	Explain societal and technological trends on periods of architecture and interior design through the ages.	Text: 26–33, 37–40, 44–46, 476–488
11.5.3	Illustrate the development of architectural styles throughout history.	Text: 108–133
11.5.4	Compare and contrast historical architectural details to current housing and interior design trends.	Text: 26–57, 108–133
11.5.5	Analyze future design and development trends in architecture, interiors, and furnishings.	Text: 108–133, 476–509
Content Standard 11.6		
Evaluate client's needs, goals, and resources in creating design plans for housing and residential and commercial interiors.		
Competencies		Text Pages
11.6.1	Assess financial resources needed to improve interior space.	Text: 60–64, 376–391, 398–399, 533, 541–550 Sociocultural Connections (features) 43, 547, 553
11.6.2	Assess client's community, family, and financial resources needed to achieve housing and interior design goals.	Text: 376–391, 398–399, 402–404, 533, 541–550 Green Choices (features) 63, 68, 90, 131, 207, 231, 233, 254, 312, 440, 473, 492, 514, 520, 555
11.6.3	Assess a variety of available resources for housing	Text: 172–179, 373, 376–391, 398–399

	and interior design, including ergonomic and anthropometric data.	Sociocultural Connections (features) 162, 330 Housing Health & Safety (feature) 495
11.6.4	Critique design plans to address client's needs, goals and resources.	Text: 373, 376–399
11.6.5	Justify design solutions relative to client needs, including diversity and cultural needs, and the design process.	Text: 376–399, 425 Sociocultural Connections (features) 35, 124, 515
Content Standard 11.7		
Apply design knowledge, skills, processes, and theories and oral, written, and visual presentation skills to communicate design ideas.		
Competencies		Text Pages
11.7.1	Select appropriate studio tools.	Text: 386
11.7.2	Prepare sketches, elevations, and renderings using appropriate media.	Text: 384–387, 399
11.7.3	Prepare visual presentations including legends, keys, and schedules.	Text: 399, 405–422
11.7.4	Utilize a variety of presentation media such as photography, video, computer, and software for client presentations.	Text: 405–422, 424–425
11.7.5	Utilize applicable building codes, universal guidelines, and regulations in space planning.	Text: 52, 56–57, 74, 78–79, 87, 162–167, 169–199, 202, 204, 211–212, 223, 377–378, 394
11.7.6	Create floor plans using architectural drafting skills and computer aided design software.	Text: 371, 373, 424–425, 509, 535
Content Standard 11.8		
Analyze professional practices, procedures for business profitability and career success, and the role of ethics in the housing, interiors, and furnishings industries.		
Competencies		Text Pages
11.8.1	Examine legislation, regulations, and public policy that affect residential and commercial interior design as well as the housing and furnishings industries.	Text: 46–57, 449, 566–567 Green Choices (features) 440, 473, 492, 507, 509, 514, 551 Sociocultural Connections (feature)

		645 <i>STEM Science & Technology</i> (feature) 442 <i>Housing Health & Safety</i> (feature) 466
11.8.2	Analyze personal and employer responsibilities and liabilities regarding industry-related safety, security, and environmental factors.	Text: 654–655, 661 <i>Green Choices</i> (features) 139, 241, 473 <i>Housing Health & Safety</i> (features) 217, 254, 275, 305, 466, 654
11.8.3	Describe security and inventory control strategies, laws and regulations, and worksite policies and procedures that affect loss prevention and profit.	Text: 653–654, 670, 677
11.8.4	Demonstrate procedures for reporting and handling accidents, safety, and security incidents.	Text: 654–655 <i>Housing Health & Safety</i> (feature) 654
11.8.5	Apply procedures for maintaining inventory control and loss prevention, including cash and credit transactions.	Text: 674–675, 677
11.8.6	Analyze operational costs such as markups, mark-downs, cash flow, and other factors affecting profit.	Text: 382, 398, 671–677
11.8.7	Demonstrate knowledge of the arts, of various resources, and of cultural impact upon design industries.	Text: 34–36 <i>Sociocultural Connections</i> (features) 18, 35, 43, 124, 162, 330, 341, 515, 547, 553, 645, 650
11.8.8	Demonstrate knowledge of multi-disciplinary collaborations and consensus building skills needed in practice.	Text: 391, 393–396, 398–399, 629–630, 637–638, 649, 651–655, 658–659, 661
Content Standard 11.9		
Develop a global view to weigh design decisions with the parameters of ecological, socioeconomic, and cultural contexts within the housing, interior design, and furnishings industries.		
Text Pages		
Text: 24–57, 62–87, 88–105, 107, 478–488, 519–521, 534–535		
<i>Green Choices</i> (features) 32, 34, 68, 90, 131, 139, 207, 209, 241, 271, 312, 492, 514, 520, 551, 609		



Sociocultural Connections (features) 43, 515, 547, 553