

HOUSING & LIVING ENVIRONMENTS

MIS03 09133

To explore the impacts housing has on families and the variety of ways in which individuals and families meet their needs for shelter. Content may include: the meaning of home; determining personal housing needs; selecting housing to meet needs; legal and financial aspects of housing; housing for individuals with special needs; the home as work site; personal expression through home decoration; household equipment selection, care, and use; maintaining safe environment; home repairs and improvements; energy and resource consumption and conservation; technology for home and family life; societal and environmental impacts of decisions; sources of support and assistance for individuals and families; current issues related to family housing; related careers; leadership development.

Credit ¼, ½, or 1 credit
Max credit = 1

Level Grades 9-12

Standard 1	<i>CAREER, COMMUNITY, and FAMILY CONNECTIONS</i>	
	Integrate multiple life roles and responsibilities in family, work, and community settings.	
Topic 1.1	Analyze strategies to manage multiple roles and responsibilities (individual, family, career, community, and global).	
	Student Competencies	
	1.1.1	Summarize local and global policies, issues, and trends in the workplace, community, and family dynamics that affect individuals and families.
	1.1.2	Analyze the effects of social, economic, and technological changes on work and family dynamics.
	1.1.3	Analyze ways that individual career goals can affect the family's capacity to meet goals for all family members.
	1.1.4	Analyze potential effects of career path decisions on balancing work and family.
	1.1.5	Determine goals for life-long learning and leisure opportunities for all family members.
	1.1.6	Develop a life plan, including pathways to acquiring the knowledge and skills needed to achieve individual, family, and career goals.

Topic 1.2	Demonstrate transferable knowledge, attitudes, and technical and employability skills in school, community, and workplace settings.	
	Student Competencies	
	1.2.1	Analyze potential career choices to determine the knowledge, skills, attitudes, and opportunities associated with each career.
Standard 2	<i>CONSUMER and FAMILY RESOURCES</i> Evaluate management practices related to the human, economic, and environmental resources in a global context.	
Topic 2.1	Demonstrate management of individual and family resources such as food, clothing, shelter, health care, recreation, transportation, time, and human capital.	
	Student Competencies	
	2.1.2	Analyze how individuals and families make choices to satisfy needs and wants.
	2.1.5	Apply consumer skills to decisions about housing, utilities, and furnishings.
Topic 2.2	Analyze the relationship between the global environment and family and consumer resources.	
	Student Competencies	
	2.2.2	Summarize environmental trends and issues affecting families and future generations.
Topic 2.4	Evaluate the effects of technology on individual and family resources in a global context.	
	Student Competencies	
	2.4.2	Analyze how media and technological advances influence family and consumer decisions.
	2.4.3	Assess the use of technology and its effect on quality of life.
Topic 2.6	Demonstrate management of financial resources to meet the goals of individuals and families across the life span.	
	Student Competencies	
	2.6.3	Apply management principles to decisions about insurance for individuals and families.
Standard 11	<i>HOUSING and INTERIOR DESIGN</i> Integrate knowledge, skills, and practices required for careers in housing and interior design.	
Topic 11.1	Analyze career paths within the housing, interior design, and furnishings industries.	
	Student Competencies	
	11.1.1	Explain the roles and functions of individuals engaged in housing and interior design careers.
	11.1.3	Summarize education, training, and credentialing requirements and opportunities for career paths in housing and interior design.

Topic 11.2	Evaluate housing and design concepts and theories, including sustainability and universal design, in relation to available resources and options.	
	Student Competencies	
	11.2.1	Evaluate the use of elements and principles of design in housing for commercial and residential interiors.
	11.2.2	Analyze the psychological impact that the principles and elements of design have on the individual.
	11.2.3	Analyze the effects that the principles and elements of design have on aesthetics and function.
	11.2.4	Apply principles of human behavior, ergonomics, and anthropometrics to design of housing, interiors, and furnishings.
Topic 11.3	Apply residential and commercial interior design knowledge, skills, and processes to meet specific design needs.	
	Student Competencies	
	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.
	11.3.2	Evaluate manufacturers, products, and materials considering building codes and regulations, environmental protection, care and maintenance, and safety issues.
	11.3.3	Demonstrate measuring, estimating, ordering, purchasing, pricing, and repurposing skills.
	11.3.4	Appraise various interior furnishings, fixtures, appliances, and equipment to provide cost and quality choices for clients.
	11.3.5	Examine the impact of housing, interiors, and furnishings on the health, safety, and welfare of the public.
	11.3.6	Demonstrate design processes such as determining the scope of the project, programming, research, concept development, schematic design, design drawing, and design development and presentation.
Topic 11.4	Demonstrate design, construction document reading, and space planning skills required for the housing, interior design, and furnishings industries.	
	Student Competencies	
	11.4.1	Interpret information provided on design, construction, and other industry-related interior design documents.
	11.4.2	Evaluate floor plans for efficiency and safety in areas including but not limited to zones; traffic patterns; storage; and electrical, plumbing, ventilation, and thermal systems.
	11.4.3	Draft an interior space to scale using architecture symbols.
	11.4.4	Arrange furniture placement with reference to principles of design, traffic flow, activity, and existing architectural features.
	11.4.5	Apply building codes, universal design guidelines, and regulations in space planning and arrangement of furniture and furnishings.
	11.4.6	Demonstrate graphic communication skills (CAD, PowerPoint, sketching).
Topic 11.5	Analyze design and development of architecture, interiors, and furnishings through the ages.	
	Student Competencies	
	11.5.1	Describe features of furnishings that are characteristic of various historical periods.
	11.5.2	Explain societal and technological trends on periods of architecture and interior design through the ages.
	11.5.3	Illustrate the development of architectural styles throughout history.

	11.5.4	Compare and contrast historical architectural details to current housing and interior design trends.
Topic 11.6	Evaluate client's needs, goals, and resources in creating design plans for housing & residential and commercial interiors.	
	Student Competencies	
	11.6.1	Assess financial resources needed to improve interior space.
	11.6.2	Assess client's community, family, and financial resources needed to achieve housing and interior design goals.
	11.6.3	Assess a variety of available resources for housing and interior design, such as evidence based design that accounts for human factors and issues of human behavior.
	11.6.4	Critique design plans to address client's needs, goals, and resources.
	11.6.5	Justify design solutions relative to client needs, including diversity and cultural needs, and the design process.
Topic 11.7	Apply design knowledge, skills, processes, and theories and oral, written, and visual presentation skills to communicate design ideas.	
	Student Competencies	
	11.7.1	Select appropriate studio tools.
	11.7.2	Prepare sketches, elevations, perspectives, and renderings using appropriate media.
	11.7.3	Prepare visual presentations including legends, keys, and schedules.
	11.7.4	Utilize a variety of presentation media including drawings, photography, video, computer, and software for client presentations.
	11.7.5	Utilize applicable building codes universal design regulations and guidelines in space planning.
	11.7.6	Create floor plans using architectural drafting skills and computer aided design software.
Topic 11.9	Develop a global view to weigh design decisions with the parameters of sustainability and socioeconomic and cultural contexts within the housing interior design, and furnishings industries.	
	Student Competencies	
	11.9.1	Demonstrate knowledge and skills to incorporate recycle and redesign principles.
Standard 16	<i>TEXTILES, FASHION, and APPAREL</i> Integrate knowledge, skills, and practices required for careers in textiles and apparels.	
Topic 16.2	Evaluate textiles, fashion, and apparel products and materials and their use in diverse settings.	
	Student Competencies	
	16.2.2	Evaluate performance characteristics of textile fiber and fabrics.
	16.2.4	Analyze characteristics of textile components in the design, construction, care, use, maintenance, and disposal or recycling of products.
	16.2.5	Demonstrate appropriate procedures for care and disposal or recycling of textile products, considering diverse needs locally and globally.
Topic 16.3	Demonstrate textiles, fashion, and apparel design skills.	
	Student Competencies	
	16.3.1	Explain the ways in which fiber, fabric, texture, pattern, and finish can affect visual appearance.

Housing and Living Environments Course Topics and Related Standards Overview

HOUSING & LIVING ENVIRONMENTS	FACS I	Middle School FACS
MIS03 # 09133	MIS03 # 09022	MIS03 # 09006
<i>Design</i>	<i>Design</i>	<i>Design</i>
Elements and Principles (11.2.1, 11.2.2, 11.2.3, 11.2.4)	Elements and Principles (11.2.1-11.2.3)	Elements and Principles (11.2.1, 11.2.2)
Construction (11.4.1, 11.4.2, 11.4.3, 11.4.4, 11.4.5, 11.4.6)	Construction (11.4.1, 11.4.2, 11.4.3, 11.4.4)	
Styles (11.5.1, 11.5.2, 11.5.3, 11.5.4)	Styles (11.5.1, 11.5.4)	
Interiors (11.3.1, 11.3.2, 11.3.3, 11.3.4, 11.3.5, 11.3.6)	Interiors (11.3.6)	
Space Planning (11.4.2, 11.4.3, 11.4.4, 11.4.5, 11.4.6)	Space Planning (11.4.2 - 11.4.4, 11.4.6)	
<i>Consumer Resources</i> (2.1.2, 2.1.5, 2.2.2, 2.4.2, 2.4.3, 2.6.3)	<i>Consumer Resources</i> (2.1.2, 2.1.5, 2.4.2)	<i>Consumer Resources</i> (2.1.2)
<i>Textiles</i> (16.2.2, 16.2.4, 16.2.5, 16.3.1)	<i>Textiles</i> (16.3.1)	
<i>Resources</i> (11.6.1, 11.6.2, 11.6.3, 11.6.3)	<i>Resources</i> (11.6.1, 11.6.2)	
<i>Design Applications</i> (11.6.4, 11.6.5, 11.7.1, 11.7.2, 11.7.3, 11.7.4, 11.7.5, 11.7.6)	<i>Design Applications</i> (11.6.4, 11.6.5, 11.7.1, 11.7.2, 11.7.3, 11.7.4, 11.7.5, 11.7.6)	
<i>Related Careers</i> (1.1.1, 1.1.2, 1.1.3, 1.1.4, 1.1.5, 1.1.6, 1.2.1, 11.1.1, 11.1.3)	<i>Related Careers</i> (1.1.1, 11.1.3)	