Arkansas CTE

Housing and Interior Design: Grades 9, 10, 11, 12

Adopted 2010

Housing Needs and Decisions

**1.1 List the levels of Maslow's Hierarchy of Needs<ol type="1">
Physical Needs
Security
Love and Acceptance
Esteem
Self Actualization
**

1. Use essential terms in context 1.1.1
2. Compare and contrast prehistoric, past, and present housing needs as they relate to Maslow's Hierarchy 1.1.2
3. Discuss individual housing needs
Disability
Family size
Family life cycle
Lifestyle preferences 1.1.3

1.2 Classify examples from the history of housing

1. Use essential terms in context 1.2.1
2. Identify factors from past eras that influence the evolution of present and future housing styles
Availability of materials
Cultural influences (rural versus urban, ethnicity…)
Economic status
Environmental influences
Structural elements (windows, doors)
Technology 1.2.2

**1.3 List types of housing options
Single-family dwelling (freestanding, modular, manufactured, etc.)
Multi-family dwelling (apartment, duplex, condominium, townhouse, etc.)
**

1. Use essential terms in context 1.3.1
2. Compile a list of advantages and disadvantages for the different methods of acquiring of housing (renting, leasing, buying) 1.3.2
3. Explain procedures for buying a home<ol type="1">
Setting a budget
Researching availability (location, zoning)
Acquiring a realtor
Legal & financial commitments (neighborhood restrictions)
Closing transactions
Moving in 1.3.3
4. Interpret a rental contract 1.3.4
5. Develop a FCCLA project such as STAR Events Life Event Planning to prepare for inhabiting a dorm room or shared living 1.3.5

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**Discuss the decision making process related to housing
Cost
Lifestyle preferences
Location
Size
**

1. Use the steps of the decision making process for housing related decisions<ol type="1">
Identify the decision
List possible choices
Compare advantages and disadvantages of choices
Make a decision
Evaluate and reflect 1.4.1

Architectural Design and Construction

**2.1 Summarize the features of different architectural designs
Cape Cod
Contemporary
Craftsman
Prairie Style
Ranch
Southern Colonial
Spanish
Victorian
**

1. Use essential terms in context 2.1.1
2. Classify images of different houses into the correct architectural design 2.1.2
3. Identify influences of culture, geographic location, and persons that have impacted the architectural styles
Frank Lloyd Wright
Fay Jones (Arkansas) 2.1.3
4. Identify roof styles
Flat
Gable (high pitch, low pitch, dormer)
Gambrel
Hip
Mansard
Shed 2.1.4
5. Identify window types
Picture
Bow
Casement (sliding, double hung)
Bay
Jalousie 2.1.5
6. Distinguish features of exterior and interior doors 2.1.6

**2.2 Explain factors involved in evaluating floor plans and blueprints
Square footage calculations (W x L = Sq. ft.)
Symbols and abbreviations
Traffic patterns
Work and storage centers
Zones
**

1. Use essential terms in context 2.2.1
2. Utilize symbols and abbreviations by drawing to scale a graphed room plan 2.2.2
3. Determine public, private, and work areas 2.2.3
4. Assess efficiency of work centers (kitchen, laundry, home office, hobby center, or workshop) 2.2.4
5. Trace and analyze traffic patterns to achieve movement 2.2.5
6. Calculate square footage of floor plan/blueprint 2.2.6

**2.3 Match basic structural features and material to their purposes in housing construction
Building materials
Foundation
Frame
**

1. Use essential terms in context 2.3.1
2. Justify the choice of a specific foundation
Concrete
Pier and beam 2.3.2
3. Diagram the framing of a house 2.3.3
4. Compare and contrast exterior building materials
Wood siding
Manufactured (aluminum siding, vinyl)
Masonry 2.3.4

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**Name main purposes of lighting
Accent
General
Task
**

1. Use essential terms in context 2.4.1
2. Differentiate between direct and indirect lighting for general purposes 2.4.2
3. Assess task and accent lighting fixtures 2.4.3
4. Plan appropriate lighting systems for:
Beauty
Safety
Structural/nonstructural fixtures 2.4.4

2.5 Discuss the use of automated drafting systems

1. Compare and contrast hand-drafted plans to automated plans
Ability to edit
Accuracy
Efficiency
Expense
Professionalism 2.5.1

**2.6 Explain green design measures in specific areas
Construction
Equipment
Home design
Landscaping
**

1. Use essential terms in context 2.6.1
2. Research current innovations in design
Conservation
Recycled Materials
LEED certification 2.6.2
3. Develop an FCCLA project such as STAR Events Recycle and Redesign demonstrating the redesign of a home item into a new product 2.6.3

Furnishings and Design

**3.1 Define elements of design as related to housing
Color
Form
Line
Space
Texture
**

1. Use essential terms in context 3.1.1
2. State the guidelines for using the elements of design effectively
Aesthetics
Construction
Function 3.1.2
3. Use color schemes to apply color as an element of design
Analogous
Complementary
Monochromatic
Neutral
Triadic 3.1.3
4. Compile examples using the elements of design as related to housing and interior design 3.1.4

**3.2 Define principles of design as related to housing
Balance
Emphasis
Harmony (Unity)
Proportion
Rhythm
**

1. State the guidelines for using the principles of design
Balance - formal and informal
Emphasis - center of interest or focal point
Harmony (Unity) - parts of design related to one idea
Proportion - golden rectangle, mean, and section
Rhythm - repetition, gradation, radiation 3.2.1
2. Compile examples using the principles of design as related to housing and interior design 3.2.2

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**Identify the components of interior backgrounds
Countertops
Flooring
Wall treatments
Window treatments
**

1. Use essential terms in context 3.3.1
2. Calculate the amount of interior component needed for a specific space 3.3.2
3. Calculate estimated costs for interior components needed for a specific space 3.3.3

**3.4 Identify period furniture
American - Windsor, Duncan Phyfe, Shaker
English - Queen Anne, Chippendale, Hepplewhite
French - Louis XIV, Empire, Art Nouveau
**

1. Use essential terms in context 3.4.1
2. Describe the major features of specific period furniture
Chippendale - claw and ball feet
Hepplewhite - shield back
Louis XIV - classic motifs and curved lines
Queen Anne - cabriole leg
Windsor - round back with spindles 3.4.2

**3.5 Explain guidelines in the selection of furniture
Affordability
Durability of materials
Quality of construction
Style and appearance
**

1. Analyze pieces of furniture using the guidelines for selection 3.5.1
2. Determine proper furniture care and maintenance 3.5.2

**3.6 State factors to consider in the arrangement of furniture
Furniture size
Room use
Structural features
Traffic patterns
**

1. Use essential terms in context 3.6.1
2. Apply the elements and principles of design to the arrangement of furniture on a scaled drawing of a specific room such as the FCCLA STAR Events project Interior Design 3.6.2
3. Evaluate specific room functions and traffic patterns according to the furniture arrangement 3.6.3

**3.7 List factors to consider when selecting major appliances
Energy costs
Features
Purchase price
Quality
Safety
Size
Styles
**

1. Examine an Energy Guide label to estimate yearly operating cost to determine best 3.7.1
2. Investigate new technologies in household appliances 3.7.2

Safety and Security

**4.1 Name specific pollutants found in the home
Carbon
Lead based paint
Mold
Radon
**

1. Use essential terms in context 4.1.1
2. Research effects of home health hazards 4.1.2

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3. Discuss ways to reduce health hazards
Air purifiers
Carbon monoxide detectors
De-humidifiers
HEPA filters
Smoke detectors 4.1.3

**4.2 Discuss fire safety precautions
Use of different types of fire extinguishers
Placement and maintenance of smoke detectors
Evacuation route plan
Use of space heaters
**

1. Use essential terms in context 4.2.1
2. Evaluate fire safety procedures for a specific space 4.2.2
3. Research maintenance required for a fire extinguisher 4.2.3
4. Develop an evacuation plan for one's home 4.2.4

**4.3 Identify security systems and devices
Alarm systems
Intercoms
Lighting
**

1. Use essential terms in context 4.3.1
2. Develop a plan to improve home security
Doors
Landscaping
Windows 4.3.2

**4.4 Explain home safety precautions
Chemical handling and storage
Emergency numbers
Sanitation practices
Unobstructed traffic patterns
**

1. Locate and post emergency numbers for one's home 4.4.1
2. Evaluate potential safety hazards in a space 4.4.2

Careers and the Housing Industry

**5.1 Name career opportunities in the housing industry
Construction trades
Entrepreneurship
Landscaping
Planning, engineering, and design
Sales and service
**

1. Use essential terms in context 5.1.1
2. Research the Occupational Outlook Handbook on the Internet or other career related references to explore job qualifications needed for careers in the housing industry 5.1.2
3. Investigate programs of study at local colleges and universities 5.1.3

**5.2 List employability skills relating to the housing industry
Communication skills
Ethical behavior
Interpersonal skills
Professionalism
Self motivation
Teamwork
**

1. Use essential terms in context 5.2.1
2. Assess personal abilities and priorities to determine interest for careers in the housing industry 5.2.2
3. Develop a career driven portfolio such as the FCCLA STAR Events project Career Investigation 5.2.3

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**5.3 Discuss effects of technology in the housing industry
Design and construction (smart homes, CAD…)
Sales (virtual tours…)
Satellite monitoring systems
**

1. Research new technology in the housing industry `5.3.1`

5.4 Relate current housing trends to business, industry, and the economy

1. Examine the impact housing trends have on society
Foreclosures
Market value
Mortgages (adjustable, reverse…)
Property taxes `5.4.1`