

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 NeedsSecurityLove and AcceptanceEsteemSelf 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 needsDisabilityFamily sizeFamily life cycleLifestyle 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 stylesAvailability of materialsCultural influences (rural versus urban, ethnicity...)Economic statusEnvironmental influencesStructural elements (windows, doors)Technology [1.2.2](#)

1.3 List types of housing optionsSingle-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 budgetResearching availability (location, zoning)Acquiring a realtorLegal & financial commitments (neighborhood restrictions)Closing transactionsMoving 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](#)

1.4 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
 - 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 ($W \times L = \text{Sq. ft.}$)
- 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

2.4 Name main purposes of lightingAccentGeneralTask

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:BeautySafetyStructural/nonstructural fixtures 2.4.4

2.5 Discuss the use of automated drafting systems

1. Compare and contrast hand-drafted plans to automated plansAbility to editAccuracyEfficiencyExpenseProfessionalism 2.5.1

2.6 Explain green design measures in specific areasConstructionEquipmentHome designLandscaping

1. Use essential terms in context 2.6.1
2. Research current innovations in designConservationRecycled MaterialsLEED 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 housingColorFormLineSpaceTexture

1. Use essential terms in context 3.1.1
2. State the guidelines for using the elements of design effectivelyAestheticsConstructionFunction 3.1.2
3. Use color schemes to apply color as an element of designAnalogousComplementaryMonochromaticNeutralTriadic 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 housingBalanceEmphasisHarmony (Unity)ProportionRhythm

1. State the guidelines for using the principles of designBalance - formal and informalEmphasis - center of interest or focal pointHarmony (Unity) - parts of design related to one ideaProportion - golden rectangle, mean, and sectionRhythm - repetition, gradation, radiation 3.2.1
2. Compile examples using the principles of design as related to housing and interior design 3.2.2

3.3 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
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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
 3. Discuss ways to reduce health hazards
 - Air purifiers
 - Carbon monoxide detectors
 - De-humidifiers
 - HEPA filters
 - Smoke detectors 4.1.3
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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
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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
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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
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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

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