

21st Century Learning Interior Design and Merchandising

High School

Interior Design and Merchandising is an elective that focuses on creating beauty, comfort and convenience in rooms and homes. The principles and elements of design along with floor plans and furniture and housing styles are featured along with the employability skills needed to succeed in a career in this field.

1. EXPLORE A CAREER PLAN IN DESIGN AND MERCHANDISING	
1.1	Examine traditional, non-traditional, and entrepreneurial design and merchandising occupational choices
1.2	Review design and merchandising career opportunity information
1.3	Identify trends in design and merchandising related occupations through labor market research on wages, types, and locations of opportunities
1.4	Recognize factors that influence design and merchandising career choices
1.5	Relate interests, skills, and attitudes to career exploration in design and merchandising
1.6	Review post secondary education required for careers in design and merchandising
2. PRACTICE EMPLOYABILITY SKILLS REQUIRED FOR A DESIGN AND MERCHANDISING OPPORTUNITY	
2.1	Identify factors contributing to job success in design and merchandising
2.2	Demonstrate work ethics and behavior
2.3	Discuss how social skills are helpful in obtaining and maintaining a job in design and merchandising
2.4	Practice the use of terminology related to design and merchandising occupation
2.5	Discuss elements of professionalism in a design environment
3. DEVELOP JOB SEARCH SKILLS FOR THE DESIGN AND MERCHANDISING INDUSTRY	
3.1	Research employment opportunities in design and merchandising
3.2	Critique a job application on line and in hard copy
3.3	Review professional dress, interviewing skills, and resumes
3.4	Demonstrate the use of technology in a job search
4. ANALYZE FACTORS THAT INFLUENCE HUMAN BEHAVIOR IN A DESIGN AND MERCHANDISING ENVIRONMENT	
4.1	Describe how personal values influence choices and goals
4.2	Explain how culture influences behavior
4.3	Develop social awareness related to diversity
4.4	Identify anthropometrics and how they affect designs
4.5	Discuss ergonomics and how equipment is used in the design field
4.6	Explain how disability and physical attributes influence clothing designs or human environments
5. ANALYZE FAMILY UNITS BASED ON SOCIAL, CULTURAL, PHYSIOLOGICAL, ECONOMIC AND PSYCHOLOGICAL FACTORS AS THEY RELATE TO CLOTHING AND HOUSING NEEDS	
5.1	Examine recent changes in family structures
5.2	Examine stages in the family life cycle

5.3	Identify the impact of economic differences on families
6. PRACTICE EFFECTIVE COMMUNICATION SKILLS FOR THE DESIGN AND MERCHANDISING WORKPLACE	
6.1	Interpret verbal and nonverbal communication
6.2	Practice skills used to communicate with clients in a design workplace
6.3	Identify guidelines and etiquette for effective written communication (letters, reports, e-mail)
6.4	Practice communication skills to deal with conflict and problem solving in a design environment
7. DEMONSTRATE TECHNOLOGICAL LITERACY FOR THE DESIGN AND MERCHANDISING WORKPLACE	
7.1	Examine the uses of technology in the design and merchandising field
7.2	Communicate using telecommunication tools
7.3	Demonstrate basic usage of computers (input, storage, output) And access information electronically (via Internet, CD-ROM, etc.)
8. APPLY MATHEMATICAL PROCESSES TO PROBLEMS IN DESIGN AND MERCHANDISING	
8.1	Express problems in design and merchandising using numeric, symbolic, and/or graphic representations
8.2	Perform mathematical calculations in the context of design and merchandising related problems
8.3	Demonstrate knowledge of units of measurement (English and metric)
8.4	Use technology in the solution of math-related problem
8.5	Calculate material quantities needed for a design project
9. DEMONSTRATE DRAWING AND VISUALIZATION SKILLS REQUIRED FOR DESIGN AND MERCHANDISING	
9.1	Employ various types of drawing media and surfaces in traditional or digital form used in a design environment
9.2	Illustrate the basic elements and principles of design using traditional or digital media
9.3	Apply fundamentals of color theory in traditional or digital media
10. APPLY MEASUREMENT TECHNIQUES	
10.1	Identify common measurement tools used in design and merchandising and their functions
10.2	Select an appropriate measurement technique for a specific measurement need
10.3	Select and use the appropriate measurement tool for the task and determine degree of accuracy required for a specific task or situation
11. PRACTICE SAFE WORKING PROCEDURES FOR A DESIGN AND MERCHANDISING WORKPLACE	
11.1	Identify responsibilities of professionals to create/maintain a safe design and merchandising work environment
11.2	Explain appropriate safety precautions for a design and merchandising workplace
11.3	Apply ergonomic principles for a design and merchandising environment
11.4	Recognize and demonstrate safe use of basic equipment for a design and merchandising workplace
11.5	Identify and learn to access codes and standards such as American Disabilities Act (ADA), Uniform Federal Accessibility Standards (UFAS) flammability, and safety

	requirements
12. EXPLORE THE LEGAL AND ETHICAL ENVIRONMENT OF THE DESIGN AND MERCHANDISING INDUSTRY	
12.1	Explain the basic concepts involved in contract law, consumer law, consumer credit, and protection
12.2	Define code of ethics for a design and merchandising environment
12.3	Examine the relationship between ethics and the law for the design and merchandising industry
12.4	Examine the problems related to maintaining ethical standards in situations without a clear standard
13. EXPLORE MARKETING PRINCIPLES FOR DESIGN AND MARKETING OPERATIONS	
13.1	Identify target markets
13.2	Select products or services to link with customer needs
13.3	Identify strategies for promoting products/services
14. ANALYZE ART PERIODS AND DESIGN STYLES	
14.1	Compare art periods and design styles
14.2	Discuss influences of art on interior design
14.3	Explain how architecture, furniture, and furnishings have been influenced by technology, mass production, and prosperity cycles through history
14.4	Describe characteristics of different styles of architecture, interiors, furniture, and furnishings
14.5	Utilize design terms
15. ANALYZE THE INTERIOR DESIGN AND HOUSING INDUSTRY	
15.1	Describe factors influencing the interior design industry
15.2	Examine trends in housing
15.3	Identify factors that influence design and development in housing and interiors
15.4	Describe the impact of technology on housing and interior design
15.5	Evaluate an existing plan using the 7 principles of Universal Design
16. DETERMINE ISSUES IN HOUSING	
16.1	Identify individual and family needs, standards, goals, financial resources, human resources, and community needs in planning for housing interiors
16.2	Analyze geographic locations, safety, security, energy-efficiency, aesthetic preferences, and required maintenance in order to make housing choices that meet needs of individuals, families, and communities
16.3	Analyze construction specifications and quality to meet needs of special populations
16.4	Explain basic housing construction and finishing considerations
16.5	Examine the effects of landscaping on housing and the larger environment
16.7	Summarize the impact of current and emerging trends and issues on housing needs of individuals, families, and communities
17. ANALYZE THE PRINCIPLES AND ELEMENTS OF DESIGN	

17.1	Identify key elements and principles of design
17.2	Demonstrate the use of the basic design elements and principles
17.3	Demonstrate an understanding of the color principles
17.4	Differentiate between hue, value, and intensity
17.5	Consider how color impacts design
17.6	Assess the elements and principles of design utilized in textile products
17.7	Select specific hues to illustrate color principles in various design themes
18. EXPLAIN THE BASIC ELEMENTS AND PRINCIPLES OF INTERIOR DESIGN	
18.1	Describe the influence of design elements and principles in interior design
18.2	Illustrate the application of design principles in interior design
18.3	Identify art principles as applied to housing and interiors
19. APPLY KNOWLEDGE OF TEXTILES, FIBERS, AND FABRICS	
19.1	Understand the history of fibers and fabrics
19.2	Analyze characteristics of natural and manufactured fibers
19.3	Identify characteristics of fabrics with various yarn construction
19.4	Evaluate woven, knit, and other methods of fabric construction
19.5	Select appropriate fibers and fabrics for specific end users
19.6	Interpret labeling information to determine care procedures for various fabrics
20. ANALYZE INTERIOR MATERIALS AND PRODUCTS	
20.1	Analyze floor coverings, wall coverings, and window treatments.
20.2	Compare the features of kitchen and bath surfaces
20.3	Identify characteristics of textiles, which affect quality and appropriateness for household use
20.4	Determine guidelines in selecting appropriate lighting
20.5	Assess the environmental impact of interior materials and products
20.6	Choose color schemes for rooms from paint, wallpaper, flooring, and fabric samples
20.7	Analyze kitchen and bath fixtures and equipment
20.8	Identify carpet styles in terms of construction, fiber content, and other quality factors
21. CHOOSE FURNISHINGS AND ACCESSORIES	
21.1	Determine the use of furnishings and products in meeting specific housing and interior needs
21.2	Identify types of accessories and demonstrate proper arrangement for needs of consumers including the aging population and disabled

21.3	Analyze upholstered furniture and explain criteria for judging quality of furniture
21.4	Describe factors to be considered when coordinating furniture and accessories
21.5	Compare qualities of home furnishings and appliances (i.e., performance, safety, cost, quality, efficiency, and space)
21.6	Assess aesthetic and functional aspects of furniture
21.7	Appraise various interior furnishings, appliances, and equipment considering design elements
22. ESTABLISH SAFE USE OF EQUIPMENT	
22.1	Use trade equipment and tools appropriately
22.2	Maintain and store equipment
22.3	Develop personal safety practices required while on work-related assignments beyond the business site
23. DEMONSTRATE TECHNICAL KNOWLEDGE FOR INTERIOR DESIGN	
23.1	Explore sources of information about standard interior specifications
23.2	Utilize applicable building codes, universal principles, and regulations in floor/space planning
23.3	Demonstrate measuring, estimating, ordering, purchasing and pricing skills for interior furnishings and products
23.4	Prepare a design plan that addresses needs, goals and resources of diverse client populations
23.5	Interpret blueprints and floor plans
23.6	Determine traffic flow, activity, and existing architectural features in creating floor/space plans responding to needs of all populations including disabled and aging
24. INTERPRET SCHEMATICS, BLUEPRINTS, AND TECHNICAL DRAWINGS USED IN DESIGN AND MERCHANDISING	
24.1	Interpret spatial layout of three-dimensional form from two-dimensional drawing
24.2	Interpret dimensions, symbols, legends, scales, and directions