

Housing and Interior Design: Grades 9-12

Analyze career paths within the housing, interior design, and furnishings industries. 11.1

- 1 Explain the roles and functions of individuals engaged in housing and interior design careers. 11.1.1
- 2 Analyze career paths and opportunities for employment and entrepreneurial endeavors. 11.1.2
- 3 Summarize education, training, and credentialing requirements and opportunities for career paths in housing and interior design. 11.1.3
- 4 Analyze the value of interior design to individuals, families, and society including the financial benefits and the impact of housing and interior design careers on individual/family, local, state, national, and global economies. 11.1.4
- 5 Create an employment portfolio to communicate housing and interior design careers knowledge and skills. 11.1.5
- 6 Analyze the role of professional organizations in housing and interior design professions. 11.1.6
- 7 Analyze the attitudes, traits, and values of professional responsibility, accountability and effectiveness required for careers in housing and interior design. 11.1.7

Evaluate housing and design concepts and theories, including sustainability and universal design, in relation to available resources and options. 11.2

- 1 Evaluate the use of elements and principles of design in housing and commercial and residential interiors. 11.2.1
- 2 Analyze the psychological impact that the principles and elements of design have on the individual. 11.2.2
- 3 Analyze the effects that the principles and elements of design have on aesthetics and function. 11.2.3
- 4 Apply principles of human behavior, ergonomics, and anthropometrics to the design of housing, interiors, and furnishings. 11.2.4

Apply residential and commercial interior design knowledge, skills

- 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. 11.3.1

and processes to meet specific design needs. 11.3

- 2 Evaluate manufacturers, products, and materials considering building codes and regulations, environmental protection, care and maintenance, and safety issues. 11.3.2
- 3 Demonstrate measuring, estimating, ordering, purchasing, pricing, and repurposing skills. 11.3.3
- 4 Appraise various interior furnishings, finishes, fixtures, appliances, and equipment to provide cost and quality choices for clients. 11.3.4
- 5 Examine the impact of housing, interiors, and furnishings on the health, safety, and welfare of the public. 11.3.5
- 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. 11.3.6

Demonstrate design, construction document reading, and space planning skills required for the housing, interior design and furnishings industries. 11.4

- 1 Interpret information provided on design, construction, and other industry-related interior design documents. 11.4.1
- 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. 11.4.2
- 3 Draft an interior space to scale using architecture symbols. 11.4.3
- 4 Arrange furniture placement with reference to principles of design, traffic flow, activity, and existing architectural features. 11.4.4
- 5 Apply building codes, universal design guidelines, and regulations in space planning and arrangement of furniture and furnishings. 11.4.5
- 6 Demonstrate graphic communication skills (CAD, PowerPoint, sketching). 11.4.6

Analyze design and development of architecture, interiors, and furnishings through the ages. 11.5

- 1 Describe features of furnishings that are characteristic of various historical periods. 11.5.1
- 2 Explain societal and technological trends on periods of architecture and interior design through the ages. 11.5.2
- 3 Illustrate the development of architectural styles throughout history. 11.5.3
- 4 Compare and contrast historical architectural details to current housing and interior design trends. 11.5.4
- 5 Predict future design and development trends in architecture, interiors, and furnishings. 11.5.5

Evaluate client's needs, goals, and resources in creating design plans for housing and residential and commercial interiors. 11.6

- 1 Assess financial resources needed to improve interior space. 11.6.1**
- 2 Assess client's community, family, and financial resources needed to achieve housing and interior design goals. 11.6.2**
- 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. 11.6.3**
- 4 Critique design plans to address client's needs, goals and resources. 11.6.4**
- 5 Justify design solutions relative to client needs, including diversity and cultural needs, and the design process. 11.6.5**

Apply design knowledge, skills, processes, and theories and oral, written, and visual presentation skills to communicate design ideas. 11.7

- 1 Select appropriate studio tools. 11.7.1**
- 2 Prepare sketches, elevations, perspectives, and renderings using appropriate media. 11.7.2**
- 3 Prepare visual presentations including legends, keys, and schedules. 11.7.3**
- 4 Utilize a variety of presentation media including drawings, photography, video, computer, and software for client presentations. 11.7.4**
- 5 Utilize applicable building codes and universal design regulations and guidelines in space planning. 11.7.5**
- 6 Create floor plans using architectural drafting skills and computer aided design software. 11.7.6**

Analyze professional practices and procedures for business profitability and career success, and the role of ethics in the housing, interiors and furnishings industries. 11.8

- 1 Examine legislation, regulations, and public policy that affect residential and commercial interior design as well as the housing and furnishings industries. 11.8.1**
- 2 Analyze personal and employer responsibilities and liabilities regarding industry related safety, security, and environmental factors. 11.8.2**
- 3 Describe security and inventory control strategies, laws and regulations, and worksite policies and procedures that affect loss prevention and profit. 11.8.3**
- 4 Demonstrate procedures for reporting and handling accidents, safety, and security incidents. 11.8.4**
- 5 Apply procedures for maintaining inventory control and loss prevention, including cash and credit transactions. 11.8.5**
- 6 Analyze operational costs such as mark ups, mark downs, cash flow, and other factors affecting profit. 11.8.6**

7 Demonstrate knowledge of the arts, of various resources, and of cultural impact upon design industries. 11.8.7

8 Demonstrate knowledge of multi-disciplinary collaboration and consensus building skills needed in practice. 11.8.8

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. 11.9

1 Demonstrate knowledge and skills to incorporate recycle and redesign principles. 11.9.1