



GEORGIA

PEACH STATE PATHWAYS

Career, Technical, & Agricultural Education

ACCT—ARCHITECTURAL DRAWING

PATHWAY: Architectural Drawing & Design

COURSE: Architectural Drawing & Design I

UNIT 3: Element and Principles of Design



INTRODUCTION

Annotation:

Students will describe the elements and principles of design.

Grade(s):

x	9 th
x	10 th
x	11 th
x	12 th

Time:

5 hrs

Author:

Connie Highnote

Additional Author(s):

Students with Disabilities:

For students with disabilities, the instructor should refer to the student's IEP to be sure that the accommodations specified are being provided. Instructors should also familiarize themselves with the provisions of Behavior Intervention Plans that may be part of a student's IEP. Frequent consultation with a student's special education instructor will be beneficial in providing appropriate differentiation.



FOCUS STANDARDS

GPS Focus Standards:

ACT-ADDI-1 Students will identify components related to the design process.

- c. Describe the elements and principles of design.

GPS Academic Standards:

SCSh9. Students will enhance reading in all curriculum areas.

ELA9RL5. The student understands and acquires new vocabulary and uses it correctly in reading and writing.

ELA11LSV1. The student participates in student-to-teacher, student-to-student, and group verbal interactions.

National / Local Standards / Industry / ISTE:



UNDERSTANDINGS & GOALS

Enduring Understandings:

Homes that are visually appealing do not just happen by chance. Homes should be designed using elements and principles of design. Elements of design are things like lines, circles, arcs, color, textures etc. Principles of design are how the elements are put together. Examples of principles are balance, rhythm, unity, space and proportion.

Essential Questions:

What makes a home visually appealing? Have you ever seen a home that just didn't look right?

Knowledge from this Unit:

Students will be able to understand how the elements and principles of design are used to create visually pleasing houses.

Skills from this Unit:

Students will be able to list and identify the elements and principles of design used to create visually pleasing interiors and exteriors of houses.



ASSESSMENT(S)

Assessment Method Type:

- ☐ Pre-test
- ☐ Objective assessment - multiple-choice, true- false, etc.
 - ☐ Quizzes/Tests
 - ☐ Unit test
- ☐ Group project
- ☒ Individual project
- ☐ Self-assessment - May include practice quizzes, games, simulations, checklists, etc.
 - ☐ Self-check rubrics
 - ☐ Self-check during writing/planning process
 - ☐ Journal reflections on concepts, personal experiences and impact on one's life
 - ☐ Reflect on evaluations of work from teachers, business partners, and competition judges
 - ☐ Academic prompts
 - ☐ Practice quizzes/tests
- ☐ Subjective assessment/Informal observations
 - ☐ Essay tests
 - ☐ Observe students working with partners
 - ☐ Observe students role playing
- ☐ Peer-assessment
 - ☐ Peer editing & commentary of products/projects/presentations using rubrics
 - ☐ Peer editing and/or critiquing
- ☒ Dialogue and Discussion
 - ☐ Student/teacher conferences
 - ☐ Partner and small group discussions
 - ☒ Whole group discussions
 - ☐ Interaction with/feedback from community members/speakers and business partners
- ☐ Constructed Responses
 - ☐ Chart good reading/writing/listening/speaking habits
 - ☐ Application of skills to real-life situations/scenarios
- ☒ Post-test

Assessment(s) Title:

Elements and Principles of Design Notebook.
Principles and Elements of Design Test

Assessment(s) Description/Directions:

Show the PowerPoint describing the elements and principles of design and allow students to ask questions. Have students make a list of the elements and principles. Given a rubric, students will create a notebook that identifies the elements and principles of design.

Attachments for Assessment(s):

Elements and principles of design notebook.doc
Elements and principles of design notebook rubric.doc
Principles and Element of Design Test.doc



LEARNING EXPERIENCES

Sequence of Instruction

Introduction

1. Identify the Standards. Standards should be posted in the classroom for each lesson.

ACT-ADDI-1 Students will identify components related to the design process.

- c. Describe the elements and principles of design.

2. Review Essential Questions.

What makes a home visually appealing? Have you ever seen a home that just didn't look right?

3. Identify and review the unit vocabulary.

Elements	Octagon	Complementary
Line	Triangle	Split Complementary
Horizontal	Texture	Triad
Vertical	Smooth	Principles of Design
Curved	Rough	Proportion
Diagonal	Space	Scale
Transitional	Color	Balance
Shape	Color Schemes	Rhythm
Rectangle	Monochromatic	Emphasis
Square	Analagous	Unity
Circle	Accented Neutral	Variety

4. Interest Approach – Mental set

Students should know the definitions of the unit vocabulary. They may not have ever identified how these elements and principles work together to create visual appeal in the design of homes. Most people know what they enjoy viewing but can not tell you why it is appealing. This unit should make students aware of what separates a design from a great design.

Lesson 1

Discussion

1. Ask students what makes a design great. Allow them to make suggestions based on what they like in the design of a home. Ask them if they can identify rhythm in a home or what texture or color scheme they enjoy the most. Explain that most people have a strong opinion of what they like but may not be able to explain why.
2. Show the Principles and Elements of Design PowerPoint defining and showing examples of each element and principle.
3. Ask students to point out elements and principles in the classroom, building or their home.

Lesson 2

1. Now that students have an understanding of what the elements and principles of design are, have them create a notebook or a power point displaying an example of each.
2. Give students the out-line to be used to create an Elements and Principles of Design Notebook or power point. Have students locate visual examples of interiors or exteriors of homes to define each element and principle.

Attachments for Learning Experiences:

Elements and Principles of Design .ppt
Example.ppt

Notes & Reflections:



CULMINATING PERFORMANCE TASK (Optional)

Culminating Unit Performance Task Title:

Culminating Unit Performance Task Description/Directions/Differentiated Instruction:

Attachments for Culminating Performance Task:



UNIT RESOURCES

Web Resources:

Attachment(s):

Materials & Equipment:

What 21st Century Technology was used in this unit?

<input checked="" type="checkbox"/>	Slide Show Software	<input type="checkbox"/>	Graphing Software	<input type="checkbox"/>	Audio File(s)
<input type="checkbox"/>	Interactive Whiteboard	<input type="checkbox"/>	Calculator	<input type="checkbox"/>	Graphic Organizer
<input type="checkbox"/>	Student Response System	<input type="checkbox"/>	Desktop Publishing	<input type="checkbox"/>	Image File(s)
<input type="checkbox"/>	Web Design Software	<input type="checkbox"/>	Blog	<input type="checkbox"/>	Video
<input type="checkbox"/>	Animation Software	<input type="checkbox"/>	Wiki	<input type="checkbox"/>	Electronic Game or Puzzle Maker
<input type="checkbox"/>	Email	<input checked="" type="checkbox"/>	Website		