

### **Lesson Plan for: Housing and Interior Design**

**Topic:** Sustainable Design

**Standards:**

Develop the attitudes, traits, and values of professional responsibility, accountability, and effectiveness.  
(FIDER 2)

Interpret and predict global impact of design on the environment and user.

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**Objectives:**

TSW Create an advertisement/poster about one area of sustainable design that can be used in residential spaces.

TSW understand many different areas of sustainable design in residential spaces.

**Materials:**

PowerPoint

Reading handouts

Access to computers

Paper and markers for posters

**Instructional Strategies:**

Cooperative Learning

Discussion

Peer Partner Learning

Reading For Meaning

Writing to inform

**Key Terms:**

Sustainable design

Landscaping

**Set:**

Have the students answer the following questions in their warmups or notes.

Define the word sustainable as you know it.

What are some things in design that you think are sustainable? List 2

**Body:**

1. Go through the Power Point about sustainable design. Have students take notes, write down vocabulary terms, and include examples/answers to the questions in the Power Point.

2. When talking about Green Design- in comparing it to sustainable design- as a class read through the article to determine the differences between the two. Complete the chart during the reading or at the end. Either way, discuss the chart. At the heart of the matter, sustainable design is a large umbrella with

many facets underneath it and one of those is green design. Sustainable design really looks to make the most out of what is now present instead of depleting more resources.

3. Answer the varying questions on the slides about the reasoning behind implementing sustainable design. Notes can be found below the slides.

4. As students start to think about ways a residential space could use sustainable design, they are going to be doing some research.

~In your group (10 groups of 3 people), you need to research sustainable products and possibilities that are available for residential interiors in the area you are assigned.

~Landscaping

~Lighting

~Water/Plumbing

~Fabrics/Textiles

~Responsible recycling

When they present this research they are going to create either an advertisement or poster about the area and the possible sustainable choices that are available. Once the research is complete (on a computer) groups need to complete the poster with markers, paper and creativity. They should include at least 2 pictures and three or more options of sustainable choices.

5. After the posters are complete, students need to present these to the class. The groups who completed the same areas should go right after each other. Other students should take notes on all the areas and possibilities.

**Conclusion:**

Discuss as a class- what are the easiest ways to incorporate sustainable design into the residential space? What would be the hardest? What is the most expensive in your opinion?

**Assessment:**

In a paragraph, write about the sustainable design option you think is the most feasible for YOU to use. Describe how it would work, why it would be best for you and any problems you think you might run into. 5-7 sentences.

**FCCLA:**

Interior Design

Career Investigation

Habitat for Humanity