



2

INTERPRETATION



WEEK 4: SUSTAINABILITY & MATERIALS

How can the built environment help the natural environment?



What Is SUSTAINABILITY?

Write on the board what it means to be “Sustainable”

Why do we need to protect the environment?

+ Two Aspects of Sustainability

SUSTAINABLE ACTION

- You know these!
 - Recycle your used materials
 - Use reusable bags, bottles, etc
 - Turn things off when you are not using them
 - Don't buy things that you do not need

SUSTAINABLE DESIGN

- Do you know about these yet?
 - Creating products/structures that have the least negative impact on the health of people, the economy of an area, and the environment
 - Meeting the needs of present generation without depleting the ability of future generations to meet their own needs

+ What is Sustainable Design?

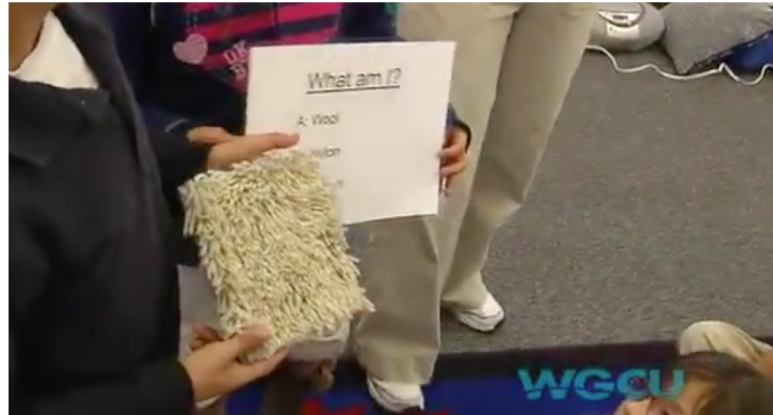
■ Introduction:

- <https://www.youtube.com/watch?v=MyIOtsx3wDs>



■ Example of a Green Building:

- <https://www.youtube.com/watch?v=Slh8Wf9AKtU>



Bridges are also built to help animals safely transit from one side of the road to another, or to help cars drive over important corridors for specific species.

There are a lot of innovative building designs to help animals.

+ Sustainable Material Examples

■ PAPERSTONE

- created from 100% recycled paper and natural resin



■ FILTERPAVE

- it looks like normal pavement, but allows water to filter through it, instead of running off and contributing to flooding



+ Structures Solving Environmental Problems

Christmas Island, Australia



Crab Migration

- The Problem: WATCH
- The Solution: WATCH

- Are there any other animals you can think of that would benefit from a different structure?



BRAINSTORM

What are ways that you (or others) can protect the environment?

[Watch THIS for inspiration for, or while working on, the activity.](#)

+ SHARE WHAT YOU'VE LEARNED ABOUT SUSTAINABILITY !



- Create a poster, newsletter, comic strip, or flyer
- Make sure what you create is about the **BUILT ENVIRONMENT** and ways it can help the **NATURAL ENVIRONMENT**