

SUSTAINABILITY

STEP 1: WARM-UP ACTIVITY.

CLASS MANAGEMENT: the ss will be grouped in two or three working on the same computer and filling the chart below

TIME: 50'

AIM: Searching on the Internet the basic concepts of the following terms:

TOPICS

SUSTAINABILITY	Give a general definition to each word to figure out the main theme of the project
BIOARCHITECTURE	
GREEN BUILDING	
RENEWABLE ENERGY	

STEP 2: BRAINSTORMING

CLASS MANAGEMENT: all together

TIME: 1hour

After their research, they'll be talking together about how to draw a concept map (is it necessary or a waste of time?) and talking about their "house of the future" in Teramo.

Problem solving: if I wanted to build a sustainable house in Teramo, what principles should I follow?

(answers expected: renewable energy, local production – to reduce transport - resistant materials...)

STEP 3: Choice of the site (during Architecture and Design classes)

STEP 4: A STUDY OF THE TERAMO AREA: its territory and natural resources, geographical position (climate, sun, water sources, temperatures), industry related to sustainable products to be used in building.

INDUSTRIAL RESOURCES IN THE TERAMO AREA

PRODUCTION OF ENERGIES

WATER

ELECTRICITY

HEATING

MATERIALS

THERMAL INSULATION