



## ECO BUILDING PROJECT

### “The meeting space”

*The objective of this activity is to imagine a “beside the school” eco-building, dedicated to pupils, where they could meet, do coworking, rest and have quiet moments, respecting as many eco-construction rules as possible.*

*Pupils of different countries involved in the project should produce plans, and models maybe using wood or cork or cardboard*

#### **Mathematical constraints**

- ✓ To honour our Greek guests, the building must contain proportions, calculus or shapes making reference to the old Greek mathematicians: Pythagoras, Thales...
- ✓ Dimensions of the building must not exceed two hundred squared meters on the floor; the height must not exceed three meters.
- ✓ The plan must contain different views of the building
- ✓ The model will be transported by plane (for Spain, Italy and France): imagine something that can be disassembled. You can choose the reducing scale
- ✓ Be creative with the form of the building!

#### **Other constraints**

- ✓ Imagine a solution to cool the building without air conditioned: open windows to make an air circulation, plants, water bonds...
- ✓ Building must be autonomous concerning electricity
- ✓ Building must be eco-responsible for materials used: wood, stones, straw... Try to propose recycled material
- ✓ There must be different spaces in the building plan: one space for coworking, one to rest, one meeting space
- ✓ You must design a one floor building

# CALENDAR

**14<sup>th</sup> of December:**

**Zoom meeting 1**

**Teachers receive a link to connect to the zoom session, send it to their students.**

**Anne presents the project (document above).**

**Students inside rooms: 10min for brainstorming.**

**French students will take note inside each room.**

**January:**

**Post “Your idea counts” : “innovations to put inside ” on the etwinning forum –**

**end of January: Zoom meeting 2**

**February:**

**Post “ Your idea counts” “ imagine the building model” – on the etwinning forum**

**end of February: Zoom meeting 3**

**March: Construct your model**

**To be noticed:**

Depending on the involvement of a team, each meeting point will be the occasion to provide ideas to the teams.

In case no plans are ready for one country, last meeting in February will provide plans to be used to construct the model.

In March, each country has to construct a transportable model to be presented in Creta.