

ACTIVITY 3 : Lab experiment on efficiency of insulating materials

Objective :

Carry out lab experiments to determine the efficiency of insulating materials in order to choose the most appropriate ones for the model.

Items evaluated :

C6 Question oneself starting from current scientific issues.

C7 Propose a course of action to attempt to solve these issues.

C8 Communicate your results using an appropriate scientific language.

Description of the activity:

The objective is to determine whether the efficiency of insulating materials depends on:

- Its thickness
- Its composition

We are going to measure the time it takes to increase the temperature of the side of the material by 5°C using a Bunsen burner, and measuring the temperature with a temperature sensor. For this purpose, we are going to use wood and will increase its thickness for the various measures.

