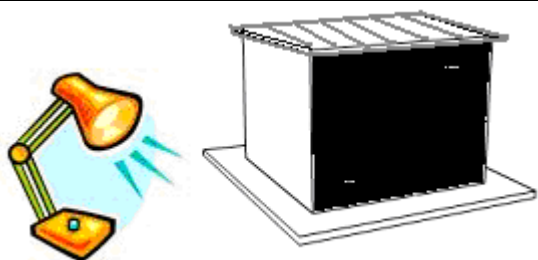


Activity 1_3: What is the effect of sunlight on the temperature inside your house model?

Surely you have heard that being exposed to sunlight by wearing a dark shirt makes you feel warmer than if you wear a white shirt. Is, in your opinion, this only a rumor or the statement has scientific basis?

How could you verify this?

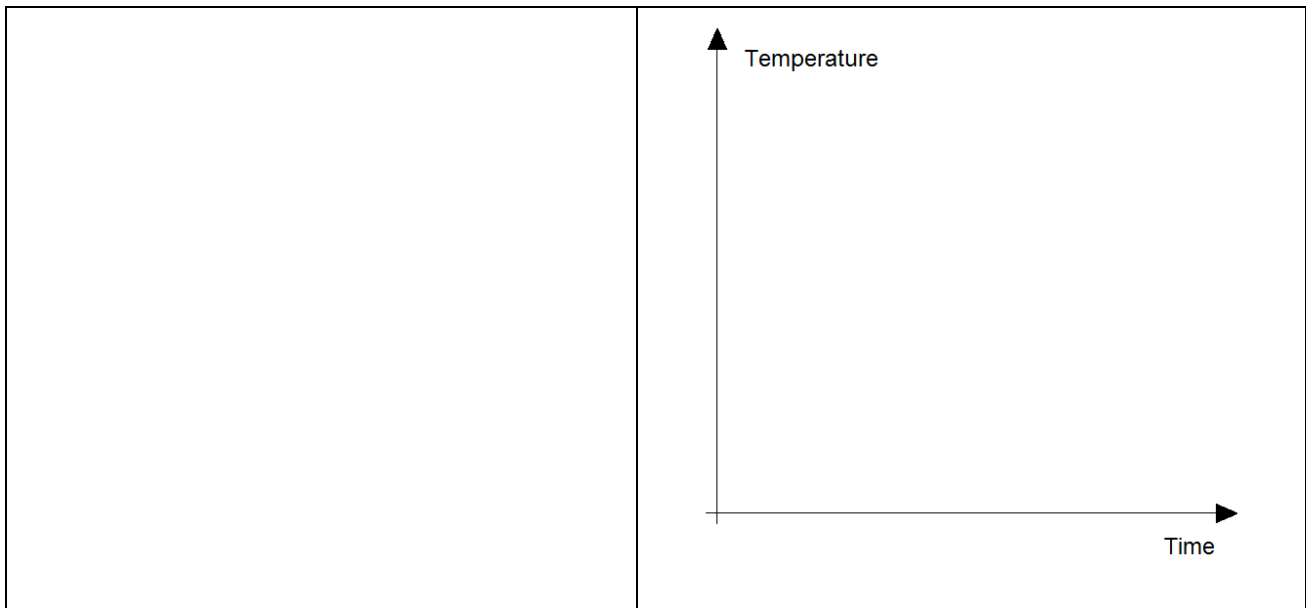
The problem we want to study now is how sunlight can affect the internal temperature of our model house. To do this we will simulate solar illumination with a high power lamp.



Consider the model house that the teacher shows you. Design an experiment to test whether the color of the illuminated wall affects the internal temperature of the house.

Describe in detail your experimental project

Draw in the graph below which type of Temperature-Time relationship you'd expect



After running the experiment, compare the graphs obtained with the predicted ones. Are there similarities or discordances? Explain your results

Conclusions:

Try to summarize, for each of the activities you have performed, what you learned at the end of each activity and how you came to the different conclusions you have drawn.