

Introduction to Scientific Method Seminar Practical and Evaluative Part

Opaque Box Research

This is an activity to see (and think about) how you investigate and express your results to convince yourself and third parties from a scientific perspective. It is a practical activity and the Seminar's final evaluative work.

It must investigate an opaque box to describe its contents and internal structure. The investigation will be a team effort, but each student will write their report with their wording and point of view. It is strictly individual. The delivery date is December 4th.

The box is opaque because it is not allowed to look inside the box, although it is possible to make some small holes to insert sticks as an extension of the sense of touch. Also is possible to move the box, change its position, listen, compare, measure. The box will not be opened as it happens in science, where any conclusion is only a temporary vision.

The investigation will be carried out in two stages. A brief first contact with the boxes to prepare for the investigation (October 30th) and then, the investigation (November 13th), which will be carried out in the classroom throughout the class (two hours).

The research is free, but you must apply the ideas of the Scientific Method Seminar that you have so far.

The research must be presential. Nevertheless, the online students (authorized) will connect with the presential teams to do teamwork. This activity, prior to the research, will be carried out in class among the students while the teams are formed.

Please, the students who will participate online, notify me by mail so that the students present in the classroom can connect with you.