

Suggestions to Teachers (Rumford and nutrition)

Expected results

After the lesson, the students are expected to:

1. Write a text, in which is described the Thompson's politics for the solving of the nutrition problems, based on the narration.
2. Locate certain points about the correlation between science and politics, based on the narration.
3. Based on a web research, fill up a table with foods which are rich in proteins, fats, vitamins and carbohydrates.
4. Based on a web research, write a text about the relation between the incoming energy in the human organism by food and its further trail.
5. Based on a web research about: calorie, food, label, joule, nutrition, design a dictionary concerning these terms and the relation between joule and cal.
6. Write the characteristics of science and the ways it develops, based on the Thompson's narration as well the lesson activities, according to the McComas's list.
7. Create posters with the theme: "Nutrition and exercise".
8. Based on a web research, perform a project about the future and the benefits of human power technology.
9. Based on a web research, perform a project about the work during the period which is quoted on the Benjamin Thompson's work.

About the activities of students

The proposed students' activities are indicative and they aim at the accomplishment of the above expected outcomes. Moreover, the teacher may choose some of them for the teaching process in relation to its aims, the needs of students and the available time. Finally, she/he can create her/his own activities. About the emergence of the characteristics of science in the narration, these characteristics are quoted in the website, comprehensively (in classification of the stories by NOS).

About the locating of the characteristics of Nature of Science in the proposed activities, indicatively, we can quote the following:

A) The activity 2 concerns the characteristic of Nature of Science: "There are historical, cultural, and social influences on science".

B) The activity 4 concerns the characteristic of Nature of Science: "Science demands and relies on empirical evidence".

- C) The activity 7 concerns the characteristics of Nature of Science, which are quoted in the activities: 2 , 4 , 8 and 9.
- D) The activity 8 concerns the characteristic of Nature of Science: “Science and technology impact each other, but they are not the same”.
- E) The activity 9 concerns the characteristic of Nature of Science: “There are historical, cultural, and social influences on science”.

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