

Learning with the arts

Natural Sciences (6th year)

TOPICS of the module- Nutritional exchanges between the organism and the environment in animals - The nutrients that constitute food

Age of students – 12-13years

Prior knowledge

Pupils should be able to:

Identify some body parts and internal organs (mouth, stomach, intestines)

Identify phenomena related to digestion

Know the vital function of digestion

Objectives

Pupils will be able to:

Relate the existence of nutrients to the function they play in the human body.

Knowing the nutrients and their importance

Classify the nutrients

Know the functions of nutrients

Opportunities - develop creativity, autonomy, self-confidence, interpersonal relationship, group work.

Cross curricular

- Develop creative writing skills
- Create reading and writing habits
- Develop creativity

Resources – computer, paper, colored pens, sponge, spray paints.

Time frame - Six lessons, 50 minutes.

Arts involved – Drama, Visual Arts, Photography, Video.

Methods of work – Individual work, peer work and team work.

Introduction stimulus (Warm up):

Learning by playing/creating, makes learning more interesting and effective.

The students were challenged to create a funny and simple way of transmitting/teaching the contents of natural sciences. They are asked to be creative, to interact, to share knowledge and to find new knowledge.

Steps – The 6th years, in the frame of our Erasmus+ project “Learning with the arts”, were familiarized with the notion of food and nutrient.

Students analyze food packaging to identify the nutrients that constitute food.

Consult the manual to identify the functions of each nutrient

Classify the nutrients.

Through drama, poetry, visual arts, photography, etc., students will use the knowledge they have and research results, to create, with the use of an art form, an animation that facilitates the learning of colleagues. Afterwards the works presented by the elements, pairs and groups, were improved to the scientific level. In a final phase the projects were executed in each of the selected art forms.

Evaluation summary and comments about how the module went:

The objectives of new learning strategies are to provide students with opportunities to build their learning process and promote the desire to learn. Most of the students showed great interest and commitment in the accomplishment of the activities, showing great involvement in learning. The students who applied the least showed that they wanted to be part of the different work teams, with more commitment and involvement. The contents involved were acquired more easily by having been worked over and over again.

Dissemination by the educative community





