

REINFORCEMENT ACTIVITIES

Subject: Natural Sciences and Environmental Education

Grade: 6th

Period: II

Year: 2019

SUGGESTION

Each period, the teacher formulates a problematizing question or situation related to the learning goals that help the student to train him/herself and get ready to prove his/her knowledge and proficiency levels in each area. This process is scheduled for the week in May from 20th to 24nd. The student should consult the bibliographic references cited by the teacher and turn in three academic products for the period written with basic standards to give account for the skills acquired.

1. Problematizing question:

- How is it possible to reduce physical effort by lifting a box to a certain height?

2. Learning Goals:

- Recognize, differentiate and analyze phenomena from their theory and concepts.
- Recognizes mass, weight and density of different materials.
- Check the laws of inertia or principle of inertia.

3. Academic products:

1. Support the following exercise: To a train, it takes 2 hours to travel between the cities of Paris and Versailles which is 454 km to the south. Is the average speed of the train?
2. What are simple machines, such as pulleys, inclined planes, levers, wedges and wheels; and an example of each of them and point to the point of support, arm strength and resistance.
3. Make the following drawings of levers of first gender, second gender, third gender, locate the fulcrum, strength and power: scissors, pliers, wheelbarrow, rowing a boat, ice tongs, fishing rod.
4. What will be the distance that will travel with uniform speed, 100 km per hour, during 3 hours of travel?
5. Explain the 3 laws of Newton's movement and an example of the daily life of each of them.

4. Bibliographic references:

EL LIBRO TRIDIMENSIONAL DE LA FISICA. Educar Cultural Recreativa, Tercera Edición, Bogotá 2014.
KRAMER, Craig, Practicas de Física. McGraw-Hill, México, 1993
VANCLEAVE, Janiche, Física para niños y jóvenes. Editorial Limusa, México, 1996.

