

slide 6

Ductile or
malleable
metals

slide 7

Thank You

Follow up Activity

To find examples for metals that are malleable and ductile and note it down in science diary.

Reflection

Different properties of metals like malleability and ductility are discussed through exhibiting various videos and slides. Through this students understand the concept clearly.

Verma

DEMONSTRATION-4

Preliminary details

Name of the teacher: Sami Mol.

Date: 21.7.2020

Name of the school: BVNCTE

Class: IX

Subject: Physics

Division:

Unit: Fluids

Duration: 40 min

Topic: Viscous Force

Content Overview

To identify the concept of viscous force and apply it in daily life.

Preparation

Orientalion Phase

Teacher presents the concept of viscous force by citing examples from daily life and sprayed the body spray. After that teacher check the pre requisites of children through simple questions.

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Learning Phase

Group Activity

All the activities are conducted in groups. Initially teacher takes some fluids like water, kerosene, honey, glycerine and place a drop of each fluid in a flat surface and makes it flow. Then dis curious cards are given to each group. Then their findings are discussed and consolidated by the teacher by stating that each fluid takes has different properties and different rate of flow and there is a frictional force acting in each of them. Then teacher shows a chart with the picture of flow of fluid through a pipe and are asked to observe carefully. Then the students are asked to write their observations in science diary. Their findings are discussed among group and teacher consolidate by stating that there is a force acting between the layers of fluid termed as viscous force and this property of fluid is known as viscosity. Then the teacher placed a drop of honey and a drop of heated honey on a flat surface and made it flow and students were asked to observe carefully and note their observations in science diary. Their findings were discussed among groups and teacher consolidated that as temperature increases the viscosity decreases.

Learning Aids

- Body spray is used to introduce the concept of viscous force.
- Water, Kerosene, honey, glycerine, flat surface are used to do experiments related to viscous force.
- Honey, flat tile are used to do experiment related to viscosity

Class Management

As the class is developed through activities, the teacher gave more attention to maintain discipline in the class. Teacher also ensures the active involvement of whole students and a good class management is there.

Subject Competency

As the teacher has sufficient knowledge of the content, teacher make use of appropriate learning aids. Teacher presents the content in such a manner that all students are able to understand it.

Time Management

Teacher had a proper planning of time. All the activities were completed in the correct time. Teacher ensures to recollect the discussion card in time.

Communication

Teacher communicates to the students in good manner. Teacher helps the students in doing activities. Teacher also raised questions to check the understanding of the students.

Evaluation

Students were attentive in class. Students give correct responses to all activities and teacher also clarifies the doubts of the students.

Closure

Teacher correlates the class with daily life. Teacher consolidated and summarises the whole class effectively.

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**Bharatheeya Vidya Nikethan College of Teacher Education
Kallekkad, Palakkad**

Report of Social Services



College union of BVNCTE distributed learning materials for poor students of Parali Higher Secondary School. As a part of "Kaithangu" The Project of BVNCTE.