

CHIANG RAI MUNICIPALITY SCHOOL 6

DAILY LESSON PLAN

SCIENCE 4

Date : January 2019

Class/ Period : Mattayom 2

I. Objectives

By the end of the lesson, the students should be able to:

1. define causes of force;
2. predict how an object will move when different forces are acting upon it;
3. calculate the resultant forces.

II. Subject Matter

a. Topic : **Force and motion**

b. Concepts :

- Force can be defined as a push or a pull. Force is a vector quantity.
- Motion means moving something from one place to another. When you used force to swing the bat and hit the baseball, they both moved from one place to another. That's what motion is. In fact, the word motion is a form of the word move.
- If there's more than one force are acting on an object at time, we can find a resultant force or net force.

c. Reference :

- Focus SMART textbook.
- Internet

d. Material : laptop, worksheet, paper

III. Learning Tasks

a. Motivation 10'

- The teacher will demonstrate about force and motion and ask student what causes a force - change object, change direction etc.
- b. Learning proper 50'
- The Teacher ask 2 students to be volunteers. After that, student 1 and student 2 demonstrate his/her understanding about resultant force. (pushing the table,etc)
 - The teacher will show a simulation (Phet Simulation) to illustrate and discuss the resultant force.
 - Teacher ask students to present and do a project regarding balanced force.
 - The teacher shows the power point about resultant force and how to solve calculate problems.
 - After that, the teacher divides student in 15 groups.
 - The teacher give them a worksheet.
 - The teacher asking for checking their knowledge (summarize the lesson).

IV. Evaluation

Worksheet, presentation.

V. Assignment

Prepare for the next lesson which is Light.

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Pre-Service Teacher