

CHIANG RAI MUNICIPALITY SCHOOL 6

DAILY LESSON PLAN

SCIENCE 6

Date : January 2019

Class/ Period : Mattayom 3

I. Objectives

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

1. experiment to explore forces and motion;
2. explain the relationships between mass, force and acceleration.

II. Subject Matter

a. Topic : **Force and Motion**

b. Concepts :

- The scientific definition of force is a push or a pull. When you throw a baseball, you are pushing it through the air. When you pick up a baseball bat you are pulling it up from the ground. When you hit the ball, you use both pushing and pulling motions.
- 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.
- Acceleration is defined as the rate of change of velocity. It measures how quickly the velocity of an object is changing over time. It is vector quantity.

c. Reference :

- Holt, Rinehart & Winston. 2005. Physical Science (interactive book)
Texas : a Harcourt Education Company.
- Focus SMART textbook science 3
- Internet

d. Material : laptop, worksheet, paper, PHet simulation

III. Learning Tasks

a. Motivation 10'

- The teacher will ask, “have you ever heard about force”? “How about motion”?
- Teacher shows phenomenon showing force and motion in power point.
- Ask student another force and motion in real life.

b. Learning proper 50'

- The teacher divides student in a group of ± 4 .
- Teacher give each group a worksheet to do experiment through Phet Simulation.
- Teacher will show the Simulation that serves as an example.
- Student fill the worksheet in a group and after that they will present their work.
- Teacher gives an example to solve the problem of acceleration and let student find the answer.
- After that, the teacher ask student to participate and show their work on the board.
- The teacher gives a quiz at the end of class.
- Student summarizes and do reflection after the lesson.

IV. Evaluation

Worksheet, presentation each group, quiz

V. Assignment

Prepare for the next lesson which is action and reaction force.

IAN GABRIEL
Mentor/Adviser

SELI NURPIANTI
Pre-Service Teacher