



Department of Education, Sabaragamuwa Province – Weekly school

Subject - Science

Week = March 2nd Week

Grade 09

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4) Basic concepts associated with force (part 2)

† Read page 54,55,56,57 and answer the following questions.

01.  Keep a bottle on a table and push it like this picture.

-  Next push to the bottle like this. Record your observations.

02. What is define as point of application of force
03. Engage in activity 4.2 and activity 4.3 to furthermore study about the direction of force.
04. Force is determine as a vector quantity. What is the reason for that?

05. The magnitude, direction and the point of application of a force can be graphically represented by a segment of straight line.

- The magnitude is represented by the length,
- The direction is represented by the arrow head,
- The point of application is represented by the dot at the starting point of the segment of straight line.

Represent separately how 15N force and 20N force acting on wooden boxes.

❖ Day-to-day life activities can be done easily by changing the direction and the point of application of a force.

- Write down the answers for exercise in page 58 and 59.