

16 – Force and Motion

01. Tasks to be done by student :

- Do the **Activity 16.2** on page 78 of your text book.
- Pay attention on **Activity 16.3, 16.4** on page 79 and **Activity 16.5** on page 80 of your text book.
- Study about **Force, features of the force, measuring tools of the force, Standard Unit of the force and works can be done by applying a force** by studying the contents well under the sub topic of **Force** on pages 77 to 82 of your text book.
- Prepare a short note what you learnt here.

02. Resources that can be used for above activities:

- Pupils text book – part II (pages 77 to 82)
- E-nenapiyasa
<https://www.enenapiyasa.lk/lms/course/view.php?id=22#section-16>
- E-Thaksalawa
<https://www.e-thaksalawa.moe.gov.lk/moodle/course/view.php?id=966#section-16>
- NIE Guru Gedara
https://www.youtube.com/watch?v=5NVOBY_vIrI

03. Learning outcomes to be achieved in this lesson :

- Describe force as a push or a pull giving examples
- State that force could be expressed in terms of a magnitude and direction
- State the SI unit of force as ‘newton’

04. Evaluation :

01. Which is the correct statement about force?

- i. Force has a magnitude only
- ii. Pulling only can be resulted by applying a force
- iii. Pushing only can be resulted by applying a force
- iv. Pulling and pushing can be done by applying a force

02. What is the instrument used to measure force?

- i. Pan balance
- ii. Table balance
- iii. Newton balance
- iv. Electronic balance

03. A moving bicycle is pushed from behind by a child. What will be the change of motion?

- i. Speed increases
- ii. Speed decreases
- iii. It will rotate
- iv. Direction changes