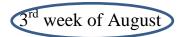


Science



14 – Heat and Temperature

01. Tasks to be done by student:

- Study about **Conduction** and **Convection** by studying the contents well under the sub topic of **Heat transfer** on pages 49 to 54 of your text book.
- Do the **Activity 14.8** on page 50 and **Activity 14.9** on page 53 of your text book.
- Pay attention on **Activity 14.10** on page 53.
- Study about **Sea breeze** and **Land breeze** by studying the contents well under the sub topic of **Application of convectional currents** on pages 54 to 56 of your text book.
- Do the **Activity 14.11** on page 55 of your text book.
- Study the contents well under the sub topic of **Radiation** on pages 55 and 56 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 49 to 56)
- E-nenapiyasa https://www.enenapiyasa.lk/lms/course/view.php?id=22#section-14
- E-Thaksalawa https://www.e-thaksalawa.moe.gov.lk/moodle/course/view.php?id=966#section-14
- NIE Guru Gedara https://www.youtube.com/watch?v=ncLXvIlrDyE

03. Learning outcomes to be achieved in this lesson:

- Explain the methods of transference of heat
- Describe land breeze and sea breeze using convection
- Conduct simple activities to demonstrate conduction, convection and radiation of heat

04. Evaluation:

1)	Select	he suitable word to fill the blanks from the words given in the brackets.
	i.	International unit of measuring temperature is(degrees celsius/Kelvin)

- ii. Heat transfers from the sun to the earth by(conduction/radiation)
- iii. Aluminium pot on a hearth, heats mainly by getting heat by ..(conduction/convection)
- iv. Temperature, at which liquid water converts to ice is called the of water at atmospheric pressure. (boiling point/ freezing point)
- v. Sea breeze and land breeze occur because of the phenomenon of in the air. (convection/radiation)