

Subject - Information and Communication Technology

Grade - 8

Month - September

Week - 02

Activiti No: - 34

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5 – Physical Computing

5.2 Introduction to OR Gate

Student work –

- Study the lesson carefully. (Pages 57-58 of the Reading Book)
- Ask an adult / teacher to understand difficult lessons.
- Learn lessons related to the lesson through online or printed learning aids.
- Do the activities mentioned in this worksheet and the activities mentioned in your reading book and workbook related to this lesson.
- Discuss and find solutions to your problems while doing activities with your friends, elders and teachers.

Learning-aids that can help with this lesson –

- E-nenapiyasa - https://www.enenapiyasa.lk/lms/pluginfile.php/15433/mod_resource/content/1/orGate.html
- Guru Gedara - <https://www.youtube.com/watch?v=f72i8fcng5M>
- Other -
 - ❖ Youtube - <https://youtu.be/vn40IRHIRWI>
 - <https://youtu.be/m9eIVFvKB4w>
 - <https://www.youtube.com/watch?v=NrUgMWvG-1U>
 - <https://www.youtube.com/watch?v=3blG7nyxL5M>

Learning outcomes through this lesson –

- Detects the functionality of the OR gate.
- Explains the functionality of the OR gate in terms of everyday life situations.
- Answers questions related to the functionality of the OR gate.
- Uses OR gate theories to solve everyday life problems.

Evaluation / assessment methodology and model –

Answer the following questions.

1. Explain the functionality of the OR gate.
2. Draw the standard code corresponding to the OR gate and write the corresponding Boolean expression.
3. Build the authentication table for the OR gate.
4. Explain three examples of practical uses of OR gate in everyday life.

