

Assessment Task Sheet

Student Name:

Year Level: 1

Name of Task: Bee-Bot - The best route

Teacher:

Learning Area/s: Maths, Technology, English

Date
Commenced:

Date Due:

Type of Task: Oral Written Other
Task Conditions: Individual Pair Group Work
 In Class Homework Other
Opportunity to Access: Books Notes Library Technology
Assessed By: Self Peer Teacher

Task Description.

1. To **create and write** an **algorithm** that is the **best route** for the Bee-Bot **to move** around the Farm Yard, following the challenge descriptions:
 - **start** at the House
 - **pause** at the Pig Pen to feed the pigs
 - **avoid** crashing into any fences
 - **avoid** falling into the pond
 - **finish** at the shed
2. With your group/partner record your results of the number of steps it took in your code.
3. Display your results in a representational model, using a device if possible.

Procedure

Students will:

- will navigate the Bee Bot around the Farm Yard, starting the House and finishing at the Shed.
- complete the challenge descriptions and record their algorithm using directional symbols
- record their best route results in a representational model (graph)

Resources:

Farm Yard mat

Bee-bots

Fake-Bots

Task Booklets

Command Cards

Pencils

Clipboards