Digital Technologies and Inquiry Plan **(Computational Thinking - using Bee Bots)**	**Term 3, Week 10 2019** **continued into Term 4.**

Achievement Objective:

English

Curriculum Level 1

Speaking Writing and Presenting
Purposes and Audience

Recognise how to shape texts for purpose and audience

Indicators:

- Constructs texts that demonstrates some awareness of purpose and audience through appropriate choice of content, language and text form.
- Expects the texts they create to be understood, responded to, and appreciated by others.
- Is developing and conveying personal voice where appropriate.

Ideas
Forms and express ideas on a range of topics.

Indicators:
- Forms and expresses simple ideas and information, usually drawing frompersonal experience and knowledge.
- Begins to support ideas with some detail.

Technology
Progress Outcome 1
In authentic contexts and taking account of end users, students use their decomposition skills to break down simple non-compterised tasks into precise, unambiguous, step by step instructions (algorithmic thinking). They give these instructions,identify any errors in them as they are followed, and correct them (simple debugging).

WALT (We are learning to):

The learning intention for this lesson was for learners write a set of instructions to program the Bee Bots. Use a grid,pictures,images and the Bee Bots (supplied by OMG Tech) as a resource, to tell a story. We will be reflecting on things we have been learning about for our inquiry, (How can we can tell stories through Dance and Drama).We will be using all the information and prior knowledge of stories, fairy tales, legends to support us with this task.

*Group Lesson***:**
(Children work in pairs)

Introduction:
Teacher explains the task:
Based on the story of the Three Little Pigs:
Using visual images to tell a story or part of a story
Write some instructions for your bee bot.
Test and check if they're correct.
Another child in the class reads/follows those instructions.

Process:
Children work in pairs.
Discussion: Which part of the story do they want to focus on:

Write on chart:
Maddison and Catherine- house of straw
Isla and Jordyn- house of sticks
Imogen and YiYi- house of sticks
Brainstorm words from discussion; forward, backward, left, right, turn, steps, spaces.

Children work in pairs:
-Grid is divided into three parts.
-Children take their pictures, have a discussion with their partners and set up their pictures on the grid to tell a story.
- write instructions, directing for your bee bot. (telling a story)
-test and check if it works
- do you fix ups
- ask another child to read and follow you instructions and check if the movement of the bee bot matches your instructions.
- Are your instructions correct, did it work- did it follow the path and tell a story.
-Reflect on the process and do your fix up's.

Reflection on the Lesson:
This was a challenging but yet again another great lesson with the Bee Bots. We used the Bee Bots in Term 3 and because it worked so well and I got some great results from that, I thought that it would be perfect to use for this terms Inquiry focus ' How to tell stories through dance and drama. I used a well known fairy tale of 'The Three Little Pigs' a story that is well liked and easy to follow so that all children can participate and engage with. The children worked well in pairs, supporting each other, testing out their written instructions, reading,re-reading, taking turns, sharing the task, teaching each other. They were engaged and showed determination to finish and most importantly get it right.

Next Steps for Learning:
Will continue using 'Telling a story" using picture sequencing cards and Bee Bots (when available from OMG Tech).
The context and images will change to our Inquiry Focus this term "Telling stories through dance and drama" Use fairy tales, stories, legends for eg. Maui and the sun, The gingerbread man, The Three Billy Goats Gruff etc. Encourage children to act out the part using dance and drama. Encourage and support children to use mathematical terms, concepts and vocabulary as well as topic related words.

Resources:
Bee Bots supplied by OMG Tech
Three Little Pigs PM Reader
Three Little Pigs sequencing pictures
Grid on floor