



Episode Title: Probability

Teacher: Racheal Cooper

School: Rāwhiti School

Year Level: 1-3

Lesson Topic: Directions

Learning Intention: Give and follow instructions for movement that involve distances, directions and turns

Links with the
[New Zealand Curriculum](#)

Geometry and Measurement

Position and orientation

Give and follow instructions for movement that involve distances, directions, and half or quarter turns.

Key Competencies

Thinking ▾

Using language, symbols, and texts ▾

Lesson Sequence

Before the Session

Recap

- learning intention
- Previous lesson vocabulary

During the Session

Turns using movement.

Discuss

What is a turn.

Identify left from right.

Practice turning left and right.

Discuss what quarter and half is. - relate to learning about time. 3 and 9 = quarter, 6 = half.

Practice half and quarter turns.

When tamariki are confident in identifying left from right and half/quarter as individual instructions. Introduce half and quarter turn to the left and right.

Practice these movements.

Map

Have tamariki take a photo of the map and add it to a blank Explain Everything.

Explain that they are going to follow your directions from a set starting point to an ending point. Their objective is to identify when they end up on the map at the end of the instructions.

They will follow along by drawing on the map on their iPāpā.

Pick a starting location. Have tamariki put their finger or stylus on this point.
Pick your ending location.

Give instructions using the following kupu:

Straight

Turn left

Turn right

Quarter turn left/right

Past

Around

Ask tamariki where they ended up on their maps.

Allow tamariki to compare with others. Did they get to the same destination?

What difference do they notice about their routes?

Repeat this exercise once more.

Allow a student to give a set of directions to the class. Conference with the student about their starting point and ending point. Suggest what to say should they have a tricky part in their route.

Recap today's learning

Create - May be done as a separate lesson.

If 'create' task is done separately, recap directional vocabulary.

Walk through 'create' task.

Today you are going to make a map of an island. On your island you are going to put an x where you have hidden treasure. Pirates are going to arrive at your island and follow your instructions to find your hidden treasure.

What things might we find on our island? Make a list on the board for tamariki to refer back to.

- Ngahere - forest
- Roto - lake
- Awa - river
- Maunga - mountain
- Uenuku - rainbow
- Whare - house
- Puia - volcano

Demonstrate how to draw an island adding a few things from the list.

Record your steps as you complete them for tamariki to refer back to if it is new learning.

Once tamariki complete their maps, they will add another page to their Explain Everything. On this page they will add a screenshot of their map and write a set of instructions for someone to follow to find their hidden treasure.

After the

Independent create task

Session	
Learn Create Share Breakdown	
Learn	Include half, quarter, left and right into a set of directions
Create	A map with a set of directions for a friend to follow.
Share	Share map with friends and write a blog post.
Resources Used	iPads, Stylus, Map
Reflection	
Reflection on Lesson Sequence	Recapping previous lesson was extended as many tamariki were away when we introduced the concept. Tamariki were struggling with identifying left and right until we used kupu Māori. They then were able to instantly recognise left and right. Tamariki absolutely loved making their own maps and engaged really well with each other when they were needing some awahi.
Next Steps	We will be going over the map on their Explain Everything again as not many tamariki ended up in the right spot. Maybe need some time on orientation of the map to help with which way to turn as this was the biggest variant.