Topic:	
Maths	**Date:** 2 September 2014
Learning Intention: Investigate the grid reference system	**Year Level:** Grade 5/6
Curriculum source: Use a grid reference system to describe locations. Describe routes using landmarks and directional language (ACMMG113)	

Success Criteria:

How to specify a region on a grid.
Draw a map with grid references.

Resources:

Map examples
White Board
Curriculum resources
Worksheets

Lesson Structure:

Warm up (10 minutes) – **Explore units of measurement.**
Scenario – Often need to tell people where my house is even though they have a map. Show example of a map.

Launch (20 – 30 minutes) - **Introduction to session**
What is a grid reference system? Why do we need them?
1.) Show students example (no grid lines marked) and ask them how they could explain the location of an object/shape over the phone?
2.) Explain how it would be easier to mark the map in squares. It has 5 rows (horizontal) & 5 columns. Same number of rows in each row.
3.) Ask students what will improve our map with references or coordinates?
4.) How would you find the grid reference of object/shapes? i.e. numbers & letters
5.) Remind students that these are regions
6.) Record the grid references.

Nick – **Assessment Task** **Group Learning:**	Support teacher/staff – **Support group**
Provide students with a grid (Letters reversed). Can anyone notice a difference of grid used on board? (Creates flexibility to read all sorts of maps and identify a certain region much easier) Ask students to draw a cross in C3, a circle in C2 and a rectangle in E3. Ask for volunteers to draw answers	Damo Paniny Cheymen Jake Brayden Finnegan

Independent Task: (worksheets provided) Students are hired as professional mapmakers to create a map of a recently discovered, yet populated island. Create and label the island include a village, lake, palm tree plantation, beach & volcano. Add grid references and record your findings in maths books.	

Summarise (10 minutes) **Key questions and ideas linked back to Learning Intention**
Why do we need to be able to read maps?

Note:
Reference Grid: A locational reference system consisting of a grid and a method of referring to points on the grid so that locations can be provided coordinates