Years 3-9
*All ACM Strands*
Kate Naughtin, Andrew Peters,
Healesville Cluster

**Big Day Out**

**Overview**

The Big Day Out was an excursion held at Worawa Aboriginal College 2012. The idea for the excursion emanated from the Nerang Cluster’s *Maths and Culture Camp* in 2010. Details on this style of learning and the outcomes of each project can be found in the resource titled: *Big Day Out and Maths & Culture Camp*.

This resource was given to all teachers, elders and other community members to detail the organisation of the day. The activities have detailed lesson plans also included in the resource under the headings of: *Maths is everywhere, Maths as strategy,* and *Maths as storytelling.*

**Objectives**

* To engage Indigenous students and their teachers in context based activities that promote mathematics and Aboriginal culture.
* To provide students with an opportunity to experience a different perspective of mathematics.
* To experience mathematics as a creative processes.

**Activities**

The four main activities include:

1. **Art Activity** *Maths as Storytelling:* This activity aims to provide an opportunity for students to create different representations of mathematics through art work. The focus is to see mathematics as symbols that have meaning and connects to the students’ world.
2. **Sport Activity** *Maths as strategy:*This activity aims to create an experience for the students to enable them to get a different perspective of algebra and potentially solve simultaneous equations. The game will be constructed so that each group will need to work out a strategy to play the game and this strategy will connect with algebraic strategies to solve equations. The aim of the game is to work out the unknown scores.
3. **Elder Activities** *Maths in traditional culture:*These activities will be run by local Elders: Uncle Roddy and Aunty Dot. The purpose of this activity is to provide an opportunity for all students to work with a local Elder and experience local culture. Uncle Roddy will be working with students to reconstruct the Mia Mia on the dreaming trail and, depending on how long this will take, Uncle Roddy may take some groups for spear making.

Aunty Dot will run weaving activities for the students. The maths in these activities will involve space, measurement, patterning and scale.

1. **iPad activity** *Maths is everywhere***:**  The students will use iPads to take photos of maths they see around them. The students will be prompted by an mathematical expression and number.

**Students Numbers**

56 students Worawa and 20 students from Healesville and Badger Creek Primary and Healesville Secondary making a total of 76 students. Worawa will have organized their students into 7 groups of 8 students and all other students will be in 4 groups of 5 students giving a total of 11 groups.

**Time Table**

9:00am Bus to pick up students and teachers from Badger Creek Primary and Healesville High School (HHS bus, bus driver Chris Dell)

9:20 Bus to pick up Healesville Primary School students

9:40 Smoking Ceremony & Welcome (Dreaming trail)

10:00 Yarning Circle – The story of Coranderrk (Aunty Dot & Uncle Roddy) split kids into 2 groups

10:20 Form groups of 6 to 8 (Each group to have a teacher/leader)

10:30 Rotation 1

11:10 Snack (provided)

11:30 Rotation 2

12:10 Rotation 3

12:40 Lunch (provided)

13:10 Rotation 4

14:00 Personal reflections/yarning circle

14:30 Buses to take students and teachers back to respective schools

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|  | Basketball  | Elders Activities  | 2D Art | iPADs  |
| Mathematics | Algebra & Simultaneous equations | Measurement & Scale | Four operations | This will be decided by students |
| Instructor | Chris Matthews | Uncle Roddy | Worawa teacher | Caty and Andrew |
| Ass. Instructor | Jo Lakeland | Rosie House | Kate Naughtin |  |
| Resources | BasketballsWhite BoardsTextasWhiteboardErasersSashes 9 X 12 | PopsticksCardGlue/string/tape | Pastels/CrayonsPaper/card | IPADs |
| Space | Basketball court | Dreaming trail | Library | Large space next to dining room |

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| **Rotation 1** |  | **Rotation 3** |  |
| Activities | Group | Activities | Group |
| Basketball | 1,2,3 | Basketball | 7,8,9 |
| Mia Mia | 4,5,6 | Mia Mia | 10,11 |
| Art | 7,8,9  | Art | 1,2,3 |
| IPADS | 10,11 | IPADS | 4,5,6 |
|  |  |  |  |
| **Rotation 2** |  | **Rotation 4** |  |
| Activities | Group | Activities | Group |
| Basketball | 10,11 | Basketball | 4,5,6 |
| Mia Mia | 1,2,3 | Mia Mia | 7,8,9 |
| Art | 4,5,6 | Art | 10,11 |
| IPADS | 7,8,9 | IPADS | 1,2,3 |