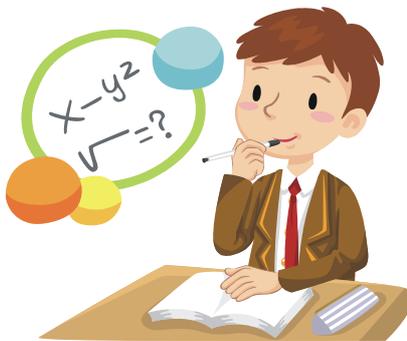


Maths Fiesta



*Mathematics Resources
& Information Pack*

*Created By Kylie Wall
Numeracy Coach
Kwall84@eq.edu.au*

Activity Descriptions

The following activities are a snap shot of possible kinaesthetic based learning you can incorporate into your Maths Fiesta.

Activity	Description
Numeracy Island	<i>Numeracy Island is the pinnacle starting point at the fiesta. Cruise down "Addition Avenue, Subtraction Street, Division Drive and Multiplication Boulevard". Each street is alive with maths challenges, activities and interesting facts aboutmaths!</i>
Shape Hunt	<i>Students go on a shape hunt to discover as many 2D & 3D shapes as they possibly can. Students also discover that everyday objects are made from these geometrics shapes.</i>
Magnetic Madness	<i>Students use a range of magnetic 2D shapes to construct 3D shapes. Students can visually identify the net and the geometric properties linked with each 2D or 3D shape.</i>
Giant Number Line	<i>Students work with a gigantic number line and carefully attach a range of numbers cards in order on the number line. Whole numbers, decimal numbers and percentages can be used. Common, mixed and improper fractions could also be added to differentiate the task.</i>
Geometric String Art	<i>Students draw a series of lines with a range of colours, from different starting points to create beautiful geometric art work.</i>
Jump Off	<i>Students start at an initial point and jump as far as they can possibly go. Students measure the distance they have jumped. Students can continue to repeat the activity and compare their measurements.</i>
Silly Symmetrics	<i>Students look at a range of shapes and determine the lines of symmetry. Alternatively, students may cut out a shape and fold it to also identify the lines of symmetry.</i>
Tremendous Times tables	<i>On a sheet of mixed times tables, students time themselves to see how many they can answer in 60 seconds. Students may like to repeat the activity to see if they can improve their initial score.</i>

Activity	Description
Ballistic Brain Busters	<i>A range of problem solving brain teasers / challenges. Ie "Discovery Cards"</i>
Amazing Angles	<i>Students make their own angle finder and then embark on their mission to find as many different angles as possible. Students have a visual aide to assist with the names of the angles. Students may also like to use a protractor to measure the size of the angle.</i>
Treasure Hunt	<i>Students follow a mud map and work with location, direction and movement. Compass points are also used to discover the answers to hidden clues and find the treasure.</i>
Super Shapes	<i>Students use a range of giant 2 D foam shapes to make patterns / creative designs.</i>
Pattern Party	<i>Students use pattern blocks to create tessellating patterns</i>
Pin The Number On The Number Line	<i>Students close their eyes, spin around and attempt to pin the number on its correct place on the number line.</i>
Fraction Finder	<i>Students search high and low for hidden fractions. They may be decimal fractions, common fractions, mixed fractions or pictorial representations of a fraction.</i>
Counting Capers	<i>A range of materials for students to count and familiarise themselves with the principles of counting. Stars, bears, dinosaurs and various other manipulatives to count.</i>
Mathaerobics	<i>Look out Zumba! Get fit with Mathaerobics! A fun filled maths work out. See how many push ups, star jumps, lunges and grape vines you can do in 60 seconds!</i>
Busy Beads	<i>Place beads on a string to create a repeating pattern using different colours, sizes and shapes..</i>
Photo Frenzy	<i>Look at famous land marks from all around the world and discover the architectural components in each building. How many 2D / 3D shapes can you identify?</i>
GeoBoard Genius	<i>Use a geo board and elastic bands to create your own artistic design / pattern with 2D shapes / lines</i>
Watermelon Weight	<i>Guess / estimate the weight of the watermelon. Place your answer in the box. The closest guess wins a watermelon!</i>

Activity	Description
Pumpkin Problem	<i>Guess / estimate the weight of the pumpkin Place your answer in the box. The closest guess wins a pumpkin!</i>
Dinosaur Discovery	<i>How big was a Tyrannosaurus Rex? How big was a stegosaurus? Were dinosaurs bigger than sky scrapers? Compare your height to a dinosaur and discover their size in relation to other objects.</i>
Fruit Shop	<i>Estimate the weight of Farmer Fred's Fruit and vegetables. Use electronic or balance scales to discover the weight of each fruit or vegetable item at Farmer Fred's Fruit Shop.</i>
Air Crash Investigation	<i>Read the factual report on the Hudson River Air Crash. Place the detailed sequence of events from start to finish in the correct order in relation to the time when each event occurred.</i>
Egyptian Multiplication	<i>How did the Egyptians work mathematically? Crack the code and follow the formulas to solve the problems.</i>
Fancy Feet	<i>What size shoe does your foot take? Measure your foot to accurately discover your shoe size and use a conversion chart to discover your shoe size in various countries around the world.</i>
Shape Monsters	<i>Use a range of 2D shapes to create your shape monster.</i>
Time Twister	<i>Work with different formats of time and connect the correct time card to the analogue clock face.</i>
Dazzling Data	<i>Analyse the data on each of the graphs and discover some interesting facts. Place your data on the whole school graph. "Favourite sport, colour, ice cream flavour etc".</i>
Measurement Madness	<i>Measure a range of objects and items inside the magical measurement box. Use your metre ruler to measure the perimeter and calculate the area of different shapes on Numeracy Island.</i>

My Maths Passport

Name: _____

Each Time you complete an activity, collect a sticker/Stamp from your teacher or leader.

Shape Hunt	Magnetic Madness	Giant Number line	Geometric String Art
Masterchef Maths	Tremendous Timestables	Silly Symmetrics	Jump Off
Ballistic Brain Busters	Amazing Angles	Treasure Hunt	Super Shapes
Numeracy Island	Pattern Party	Fraction Finder	Counting Capers
Mathaerobics	Busy Beads	Photo Frenzy	Geoboard Genius
Air Crash Investigation	Fruit Shop	Fancy Feet	Terrific Tessellations
Watermelon Weight	Dinosaur Discovery	Egyptian Multiplication	Pentominoe Problem / Delusional Dimensions
Dazzling Data	Shape Monsters	Time Twister	Measurement Madness