## STIPRINNAMKNNG SCIOOL

Motivating Maths Menu

## Introduction

The activities in this handout teach mathematical concepts through play and motivating activities. This approach will support engagement and understanding by applying abstract concepts to real life situations.

## Number



| Make a dice with 1,2 and <br> 3 spots. Roll the dice and <br> count out the correct <br> number of bricks to build <br> a tower. Take turns until all <br> the bricks are used then <br> find out who has the <br> biggest/smallest tower. | Building with Duplo and <br> counting bumps- start <br> with using bricks all of <br> one type and counting <br> bumps, print with same <br> brick several times and <br> count dots. |
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Geometry (shape and space)

| Use cardboard and paint to make a large square, triangle and circle shape monster. Cut a slot for the mouth in each shape, stick on 2 eyes. Cut out sets of different sized squares, triangles, circles. Feed these to the shape monsters by matching, naming shapes, describing shapes. | Hide shapes in the sensory tray filled with rice/lentils/sand and sort them as they are found by name/properties. | Use a set of 3d shapes and trays of paint to print 2d shapes. Encourage the child to describe the shapes- "pointy, round, straight" as well as naming them. Ask them "can you find a shape that we can use to print a circle/triangle/square? " |
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| Encourage the child to tidy up an area of the classroom/workstation/outside area, using language such as "the books go in the basket"; "the box goes under the table". | Encourage the child to choose different shapes from a collection of boxes. Encourage them to use tape to stick together, talking about the shapes, properties and positions of the boxes "You are putting the round tube on top of the pointy box". | Use threads and beads/milk bottle lids with holes in/pom poms to make caterpillars. Count the beads; describe their shapes. Make another caterpillar alongside the child and talk about longer/shorter (measures). Make a repeating pattern caterpillar for the child to copy. |

## Measures

Print the child's hand/feet using paint. Help them to cut them out when dry. Choose enough to make a line long enough to measure a
book/table/scooter etc. and count how many were used.


Make playdough with the child. Encourage them to count ingredients "Put in 1 cup of salt, 2 cups of flour" etc.


Make a car park for a range of different sized toy vehicles with rectangles of different sizes. Encourage the child to park the vehicles in a space that fits the vehicle, talking about "big/small; bigger/smaller".


