



Early Years Foundation Stage Maths Presentation - Nursery Friday 3rd March 2017

Class Teachers: Mrs Mandy Patel
Mrs Amna Razaq

Aims

- To outline the key areas of the EYFS (Early Years Foundation Stage) Mathematics Curriculum
- Explain what mathematics teaching and learning looks like within our nursery
- Share some ideas of how you can help your child with their mathematics at home

How is mathematical learning achieved in the nursery?

- Whole-class teaching (15-20 mins per day)
- Small focus-group teaching
- Adult led activities
- Child initiated learning/play:

Outdoors



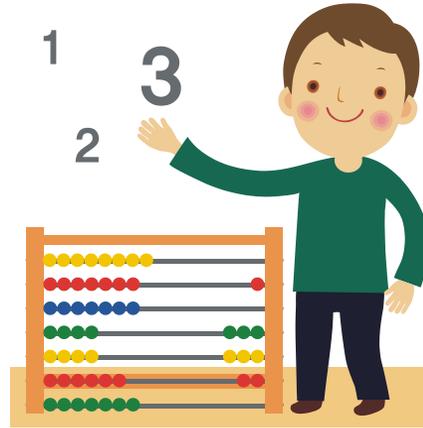
Indoors



Early Years Maths Curriculum

- Mathematics curriculum is split into two key areas of development:

1) Numbers



2) Shape, space and measure



- During their time in nursery, we will focus on and expect the children to be achieving or working towards the following objectives...

1) Mathematics: Numbers

- Uses some number names and number language spontaneously and in play
- Recites numbers in order to 10
- Knows that numbers identify how many objects are in a set
- Beginning to represent numbers using fingers, marks on paper or pictures
- Sometimes matches numeral and quantity correctly
- Shows curiosity about numbers by offering comments or asking questions
- Compares two groups of objects, saying when they have the same number
- Shows an interest in number problems
- Separates a group of three or four objects in different ways, beginning to recognise that the total is still the same
- Shows an interest in numerals in the environment
- Shows an interest in representing numbers
- Realises not only objects, but anything can be counted, including steps, claps or jumps.

2) Mathematics: Space, shape and measure

- Shows an interest in shape and space by playing with shapes or making arrangements with objects
- Shows awareness of similarities of shapes in the environment
- Uses positional language
- Shows interest in shape by sustained construction activity or by talking about shapes or arrangements
- Shows interest in shapes in the environment
- Uses shapes appropriately for tasks
- Beginning to talk about the shapes of everyday objects, e.g. 'round' and 'tall'.

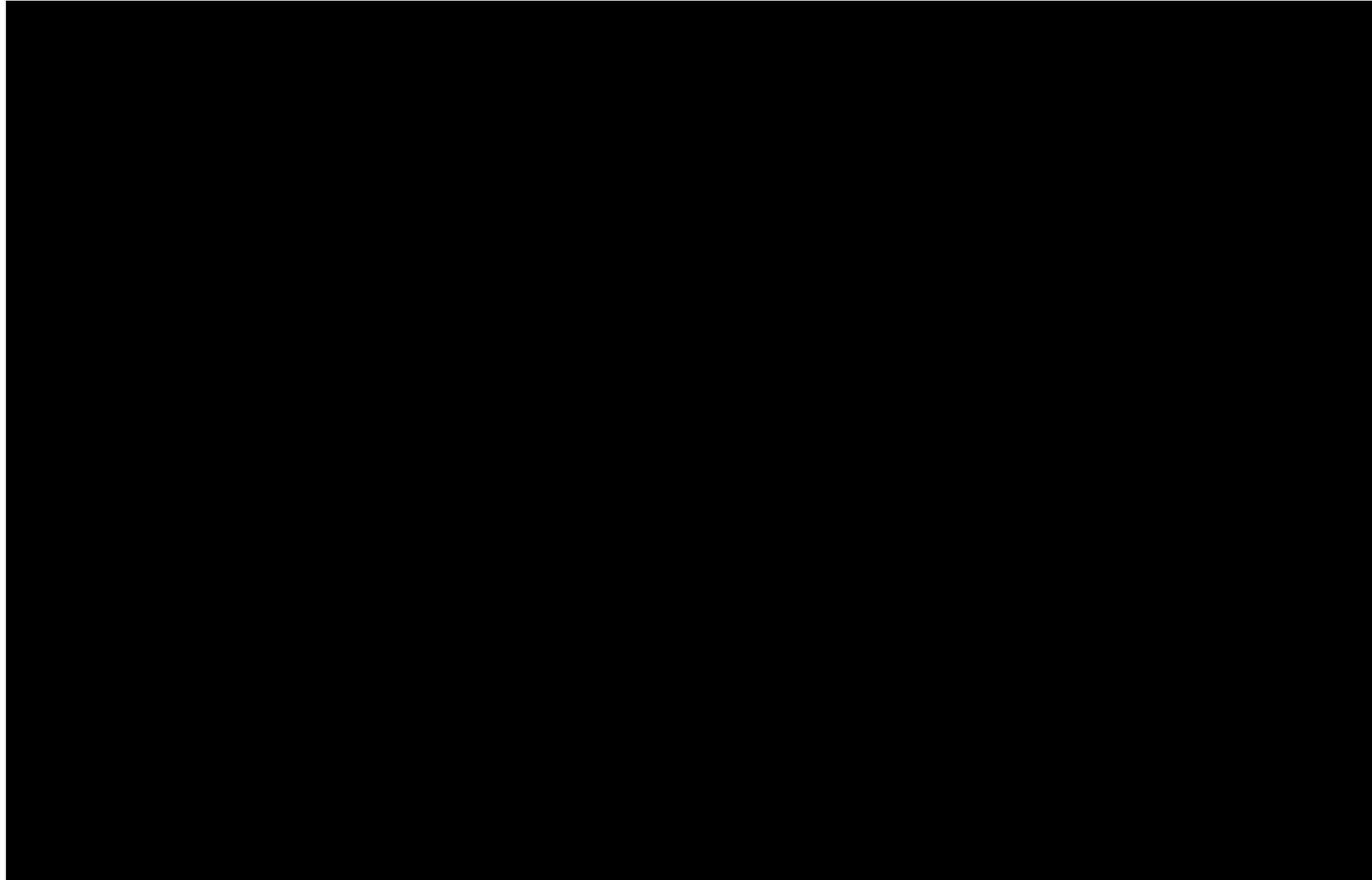
Maths Activities We Carry Out At School

- Drawing numbers in chalk/sand/water/paint within the classroom as well as outdoors
- Making/moulding numbers and shapes from playdough



- Daily counting with one-to-one correspondence and carpet sessions
- Drawing patterns, shapes and numbers using a range of media
- Sharing; one for you, one for me...
- Singing Number songs/rhymes and playing number games
- Number Recognition and Formation

Maths Concepts



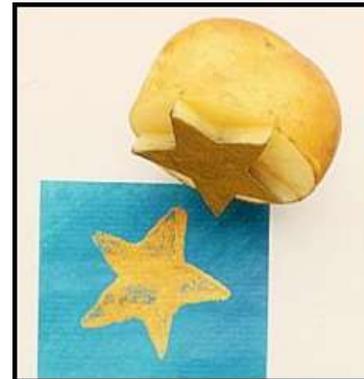
Maths Activities At Home

- Sing number rhymes and songs together eg, 5 Little Monkeys, 5 little speckled frogs etc
- Give your child the opportunity to count a range of interesting objects (coins, pasta, shapes, buttons etc.) Encourage them to touch and move each object as they count
- Play games that involve counting (e.g. snakes and ladders, dice games, games that involve collecting objects)
- Sorting/matching socks by colour and size. Find four shoes that are different sizes. Can you put them in order?
- Time: What day is it today? What day will it be tomorrow? Count down 10/20seconds to get to the table/into bed etc. Recognising numbers on a clock. If you cover a number, what number is missing?
- Can you cut your toast into 4 pieces? Can you cut it into triangles?



Maths Activities At Home

- Setting the table. Counting the right number of plates etc. How many more do we need?
- Helping with the cooking by measuring and counting ingredients. Comparing weights, which is heavier?
- Measuring: Are you taller than a ...? Marking height on the wall
- Cut hand shapes out of paper. How many hands long is the couch? How long is the table? Which is longer?
- How many steps from the gate to the front door?
- **Shapes:** Cut a potato into shapes (circles, triangle etc). Use with paint to make pictures and patterns.
- Cut out shapes from coloured paper/ newspaper and arrange into pictures.
- Shape hunt: Can you find a square in your house (windows etc), a circle (clock etc)



Number Recognition Activities At Home

➤ Encourage children to spot numbers wherever you are!

- House/ flat numbers
- Street signs
- Bus numbers
- Number plates
- Prices in shops
- Television
- Page numbers in books



Number Formation

- It would be really beneficial to help your children with forming numbers at home
- Start with big movements - finger in the air, painting on large paper, drawing in mud/sand



- Then move on to smaller numbers with pens, pencils, chalk etc

Solving Every Day Problems

- Go shopping with your child. How much does that cost? Do you have enough money?
- Storage problems. How many saucepans can fit on the shelf? How many shoes can fit in the box?
- Setting the table. Has everyone got a plate? How many knives do we need? Do we have enough? How many more spoons do we need?
- Drinks. Can we fill all of these glasses with this bottle of water?
- Estimating. How many sandwiches shall we bring? How many grapes do you think are in this box?
- Asking silly questions. Show child a tiny box and ask if there is a bicycle inside.
- Making clothes for dolls/ teddies. What shapes do you need? Is it big enough?
- Wrapping presents. Have you got enough paper?
- What shape is the present?



Making Maths Fun!

- It is really important that children find maths fun!
- Children will learn much better if they are having fun
- Puzzles and games are a fun way of teaching maths to your child



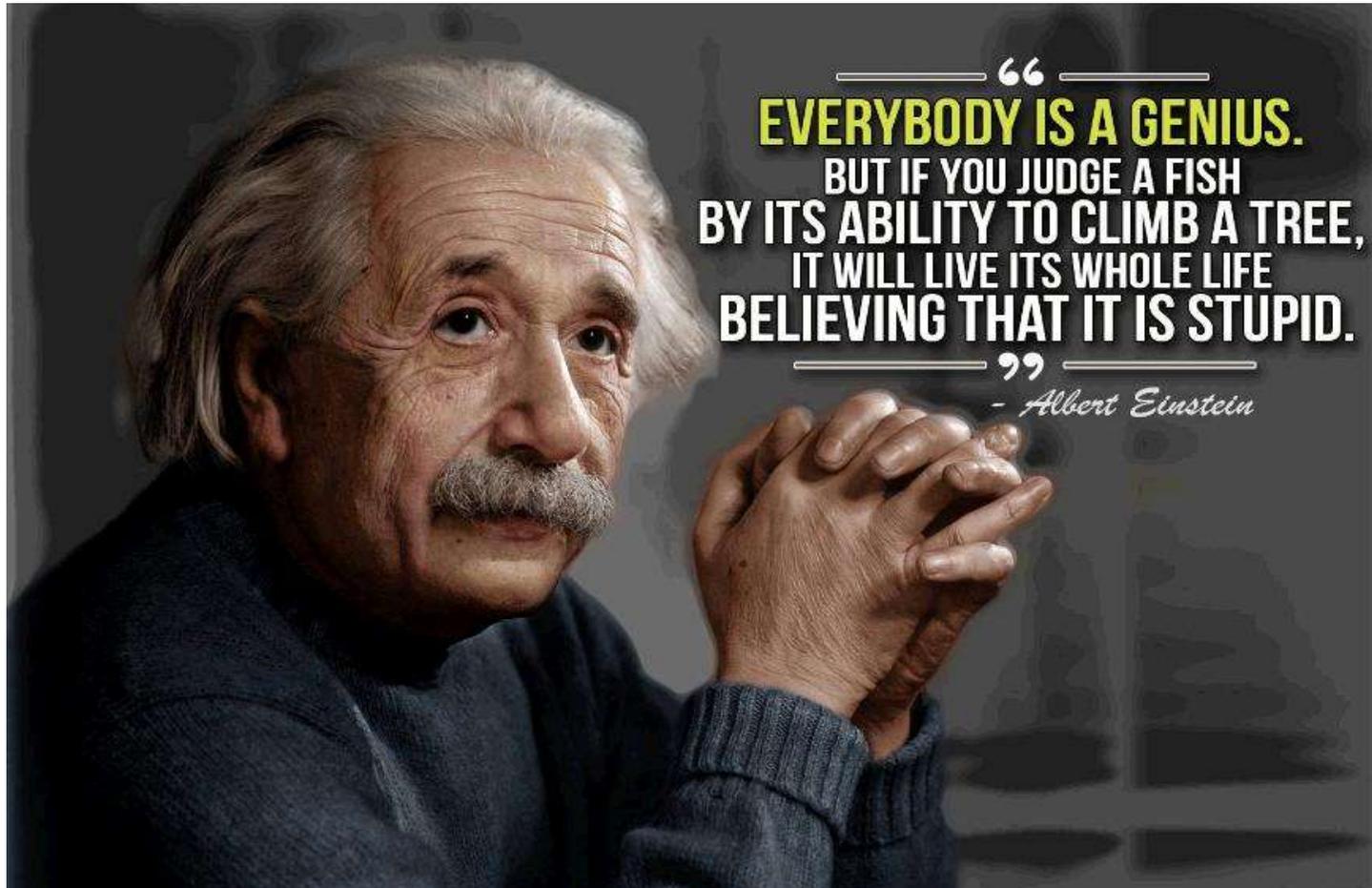
Any Questions?

Thank you for taking the time to attend the session today. We hope it has been useful in helping you with your child's mathematical learning at home.



Just a Final Thought...

Remember...



Useful Websites

- www.mathszone.co.uk
- <http://www.bbc.co.uk>
- http://www.familylearning.org.uk/online_math_games.html
- www.sesamestreet.org
- www.ictgames.com
- www.bbc.co.uk/schools
- www.crickweb.co.uk
- www.counton.org
- www.nrich.maths.org
- www.maths-games.org
- www.topmarks.co.uk

