Nursery Maths workshop

Nursery Team

Mrs Byron



Mrs Carter



Mrs Ford
Friday only



VALLEY'S VISION

GROWING AND LEARNING TOGETHER TO BE THE BEST WE CAN BE!

We always...

- ASPIRE for excellence
- ENJOY learning
- ACHIEVE success
- CHALLENGE ourselves further.

The EYFS Curriculum

Characteristics of Effective Learning
Playing and exploring – engagement Finding out and exploring Playing with what they know Being willing to 'have a go'
Active learning – motivation Being involved and concentrating Keeping trying Enjoying achieving what they set out to do
Creating and thinking critically – thinking Having their own ideas Making links Choosing ways to do things

Area of Learning and Development	Aspect
Prime Areas	
Personal, Social and Emotional Development	Self-regulation
	Managing Self
	Building Relationships
Physical Development	Gross Motor Skills
	Fine Motor skills
Communication & Language	Listening, Attention and Understanding
Specific Areas	
Literacy	Comprehension
	Word Reading
	Writing
Mathematics	Number
	Numerical Patterns
Understanding the World	Past and Present
	People, Culture and Communities
	The Natural World
Expressive Arts and Design	Creating with Materials
	Being imaginative and Expressive

A Typical Day in Nursery

- Arrival- Join in with activate/ action songs.
- Register altogether
- Free flow session – in the classroom
- Carpet session in family groups – Phonics
- Wash hands and have snack time in family groups – we also share a story with children during this time.
- Free flow session – children can move between the classroom and outside.
- Carpet session in family groups – Maths
- 15 hours children go home, and 30 hours children go to lunch.
- Carpet session in family groups - Power Of Reading
- Free flow session- inside and outside
- Handwriting- Pre-writing activities
- Free flow- inside and outside
- Carpet session in family groups - Understanding of the World/Expressive Art and Design
- Story time before home time.

Nursery Milestones

- Talk about and identify the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. Use informal language like 'pointy', 'spotty', stripy, 'blobs' etc.
- Extend and create ABAB patterns – stick, leaf, stick, leaf.
- Notice and correct an error in a repeating pattern.
- Make comparisons between objects relating to size, length, weight and capacity.
- Combine shapes to make new ones – an arch, a bigger triangle etc.
- Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners';'edges', 'straight', 'flat', 'round'.

Nursery Milestones

- Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle').
- Say one number for each item in order: 1,2,3,4,5.
- Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then...'
- Show 'finger numbers' up to 5.
- Select shapes appropriately: flat surfaces for building, a pyramid for a roof etc.
- Link numerals and amounts: for example, showing the right number of objects to match the numeral, up to 5.

Nursery Milestones

- Understand position through words alone – for example, "The bag is under the table," – with no pointing.
- Discuss routes, including familiar routes, and locations, using words like 'in front of' and 'behind'.
- Solve real world mathematical problems with numbers up to 5.
- Recite numbers past 5.
- Fast recognition of up to 3 objects, without having to count them individually ('subitising').
- Experiment with their own symbols and marks as well as numerals.
- Compare quantities using language: 'more than', 'fewer than'.

What does that mean and how do we teach it...

A lot of the teaching in the EYFS in maths is based on practical application and exploration.

Children use Numicon along with other practical equipment such as counters, beads, sticks, cubes etc.. to explore mathematical concepts such as addition and subtraction.

Shape & Number recognition is hugely important!

All children are assessed through play-based activities and challenged/ questioned by an adult.

Time to get practical





Homework

MATHS

KIRF – Key Instant Recall Facts

- We expect every child to practice their KIRF at regular intervals throughout the week.

Key Instant Recall Facts Nursery – Autumn 1

I aspire to talk about patterns

It is expected that children in Nursery can talk about and identify the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper. They should use informal language like 'pointy', 'spotty', 'blobs' etc. They should be able to extend and create ABAB patterns – stick, leaf, stick, leaf.

Key Vocabulary

pattern
same
different
spotty
stripey
spots
lines
pointy





Key Questions

What is a pattern?
Where can you see patterns?
Can you make patterns that repeat?
What colour/object comes next in the pattern?

Top Tips

The secret to success is practising little and often. Use time your wisely. Can you practise these KIRFs while walking to school or during a car journey? You don't need to practise them all at once: perhaps you could look at one pattern a day.

Your Home learning this half term...

Challenge 1: Match a pattern	Can you find a matching pattern to the one Mummy has made?
Challenge 2: Make a repeating pattern	Can you use different coloured objects to make a repeating pattern?
Challenge 3: Go on a pattern hunt	What patterns can you find in your house? Garden? At the park? At the shops? Describe each pattern as you find it.
Challenge 4: What comes next?	Can you find the next colour, shape or object in the pattern your grown up has made?
Challenge 5: Spot the mistake	Can you spot the mistake in your grown-ups pattern? Can you spot a problem in a pattern you have made yourself and correct it?
Challenge 6: Shape Pattern game https://www.topmarks.co.uk/ordering-and-sequencing/shape-patterns	Can you choose the shape, colour or object to complete the pattern?

Useful websites

- https://www.topmarks.co.uk/maths-games/5-7-years/counting
- https://www.bbc.co.uk/cbeebies/topics/numeracy
- http://www.ictgames.com/resources.html
- Please take the hand outs & resources!

Thank you

- Should you have any queries or need to speak to the Nursery staff, please email using the email addresses below:

nursery@valleyprimary.org

or ring the school office and request for a telephone call home.

- You can also contact the parent liaison lead should you prefer or have any whole school concerns or feedback.