

# Winter weather in a cold climate, Toys & Journeys

## Mathematics

Through practical activities such as stories, songs, games and imitative play we will be reading, ordering, writing and using numbers; to 20 and beyond. We will be reciting numbers forwards and backwards in ones, two, fives and tens. We will explore number patterns, odd and even numbers, partitioning numbers and place value. We shall continue to use Numicon maths equipment to do this. We continue to use estimation in a daily basis and encourage the children to expand their understanding and use of mathematical language to explain and interpret problems and clarify their thinking. The Pipits shall also reading, writing and solving calculations using  $-$ ,  $+$  and  $=$  using various mathematical equipment and strategies they have learnt. They will also be expected to develop their problem solving and mathematical reasoning skills across all areas of maths.

We provide opportunities for the children to become more familiar naming and talking about the properties of many 2-D and 3-D shapes whilst experimenting with construction and model making equipment. We shall be

Investigating capacity, weight, height and measure through practical activities linked to our topics. Time is focused on in relation to the children's days of the week; reading o'clock, half past exploring the passage of time on an analogue clock.

The Nursery and Reception children continue to will join in activities to help them to differentiate between numbers and compare them as well as practice counting, grouping and sorting various objects and arrays.

## Personal, Social and Emotional Development

The children will be encouraged to show more independence to choose their own activities and resources.

They will be expected to begin to play with other children co-operatively. Children will be encouraged and given the opportunity to share their ideas and take turns in conversations and joint projects with their peers. They will be supported to find their own solutions to problems and negotiate with their friends.

Nursery children will learn the Golden rules and the routines of their new class and be encouraged and supported to follow them by the adults and their new friends in the class.

The Reception will be free to select **Golden Time** activities beyond the Early Years unit

## Communication, Language Literacy - Reading and Writing

The Reception children are supported to develop letter sound recognition, and to form letters correctly using a tripod pencil grip. Children will be encouraged to use their phonic skills to help the teacher/themselves to write words and to read what has been written. They will be expected to use a capital letter for names of places and people and for the beginning of a sentence and a full stop. They will also be taught to read and write exception words such as 'the', 'we,' and 'I'... and encouraged to use them in own writing. During phonics using Read Write Inc., we shall we exploring set 2 sounds e.g., 'ee,' 'ay,' and 'ar'...

During this and the next term the children will continue to fun and enjoy a range of story books, poems, nursery rhymes and audio stories. We will continue to look at storybook language, authors, illustrators, characters, settings and events. We will encourage the children to discuss not only what is happening but why; retell and re-enact stories, recounting the main points of the story. They will begin to accurately predict events and words in texts. We will continue to encourage the children to use talk to initiate conversation and listen, taking their friends views into account. They will be encouraged to speak in front of others and listen to their friends and adults in a variety of contexts e.g., assemblies...

Nursery children will be following a phonics program called Letters and Sounds to develop their phonological awareness. They will also begin to learn the sounds of the letters in their name and form them letter correctly when writing their name.

## Expressive Arts and Design Music

The children will be learning to sing a number of songs and rhymes and accompany them with actions. The songs will be linked to the topic of *Winter, Journeys...* Reception children will focus on patterns in music (the structure) linking with Mathematical Development, and the texture of sounds in music, linking with Knowledge and Understanding of the World.

They will develop their understanding and skills through activities such as:

- Singing songs
- Exploring the musical instruments
- Listening to stories
- Finding and keeping a beat

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Understanding the World  
People and Communities  
Technology  
Expressive Arts and Design

We will celebrate each other's birthdays and gain an appreciation and understanding of how families celebrate birthdays and also why our birthdays are special. We shall investigate children's favourite toys and their histories.

We will also be participating in the Celebration of the Chinese New Year and help the children to develop an understanding of events such as Easter and the ways in which they might mark them.

Together we will focus on materials. We will focus on change especially in relation to water and explore what happens to it when it is cooled and freezes. We will verbally predict what we think will happen and record what we have observed through drawings and simple phrases. We will use our senses to explore, talk about and sort various materials and then select various and use them to make simple collages and pictures. Through Outdoor Learning the children will be learn about how some native animals such as squirrels and birds in Allendale survive winter in Allendale. They will explore how to care for small animals e.g. birds in the outdoor garden and will make a bird feeder to hang in their garden. Through these activities they will be learning how to record what happens when materials such as lard change as they are heated and cooled. We will learn about the weather especially winter weather in cold climates (northern and southern hemispheres) and explore how and why some animals live there.

During this term Barnaby Bear will begin to be given out and travel around the local environment.

The children will continue to use the classroom I pad, PC and inter active white board to and access programs and listen to a audio stories.

They will also be using the digital camera to take photos of their own work and understand how to use retrieve information from a search engine. The children will continue to learn to use various telephones and keyboards in the role play areas of the classroom.

The children will be expected to express themselves using a variety of tools and techniques and resources. They can explore, investigate and experiment with materials through, modelling, cutting, painting, collage and drawing. We explore the elements of shape, space and patterns in nature. The children will also be given the opportunity to create pictures on the computer and use the digital camera to capture images of interest.

## Physical Development

The children will focus on modelling dough etc. They will be given the opportunity to practise threading beads, lacing, and manipulating construction toys. They will also be given the opportunity to move with imagination and control through dance and gymnastic activities linked to the stories *Penguin Small*, *Cuddly Dudley*... They will begin to work co-operatively with a partner and begin to comment on their own and each other's performance. They will perform a dance in our annual dance festival later in this term.