



Mathematics in Nature –
Grouping of Sunflower Seeds



prakriti.org.in

DISCOVER

MATHEMATICS@PRAKRITI!

We play **MATH@PRAKRITI!** We talk **MATH@PRAKRITI!** While playing, children experience math and use the language of maths as a means of thinking and expressing. *Math talk* expresses ideas and thoughts and encourages questions. It is pervasive across subjects and projects – in drawing, painting, building, tinkering, experimenting, movement, music, language and nature.

At Prakriti, math explores patterns – patterns in nature, pictorial and numerical sequences, music, dance and physical exercise. Children develop an understanding of mathematics as a purposeful and powerful language, one that promotes analytical reasoning and problem-solving skills.

We follow the Jodo Gyan curriculum (among others) rather than emphasizing standard algorithms and rote memorization. This methodology enables children to use estimation and mental strategies to reason out problems. As they progress, the children engage with games, concrete materials and puzzles to understand the relationship between numbers, mathematical operations and concepts. All these tools empower the learners to visualise problems, see patterns and develop their own problem solving strategies.

Math – the poetry of logical ideas!

CREATE

REFLECT

**Learning another
language is not only
learning different
words for the same
things, but learning
another way to think
about things.**

Flora Lewis



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LANGUAGE@PRAKRITI

LANGUAGE@PRAKRITI is interwoven with all the elements of the curriculum. The #whole-language approach makes language learning intuitive and fun. It becomes the tool to develop higher order thinking skills such as critical thinking, reasoning and analysis, inference and prediction – and sets the stage for thoughtful decision making and problem solving.

At Prakriti even the youngest children #create their own literature – poetry and "story books" are authored and illustrated by them. Exploring riddles, hunting for treasures, solving crosswords and playing games, help to develop a love for language and appreciate the beauty of it. Older children create their own scripts and dialogues for plays. They document what they learn from projects in myriad ways – presentations, displays, theatre, self-authored books, poems and songs.

At middle school the children explore the relationship between literature and culture – how literature is an expression of the values and beliefs of a society and a reflection of the change, turbulence, evolution a society lives through. Prakriti chooses its own texts across a variety of genres to help children to understand relationships better, explore emotional nuances, connect to their natural and cultural environment and engage in a provocative debate and challenge the status quo.

REFLECT

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