



Pebbles Exploration Week

Loose parts from our immediate environment are the most powerful yet unexplored teaching-learning tools.

The most commonly and easily spotted are the pebbles, stones and gravel.

In this week we are suggesting ways of exploring these materials covering prominent learning domains.

These activities can be effortlessly integrated in a day without disturbing the ongoing curriculum plan.

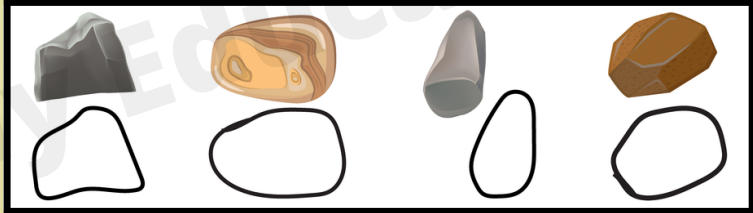

The module is spread over five weeks, one activity per day for kindergarten learners-age 3-6 years approximately.

These activities can be done at the beginning of the day or before dispersal.

Day 1

Environmental Science





| Materials Required | Learning Domain | Activity |
|---|---|---|
| <p>Pebbles/Stones Children bring some of these from home, park, pavement or road during their daily excursion/s</p> | <p>EVS-Physical Features</p> <p>PreN: Size and Shape</p> <p>Nur: Colour and Weight</p> | <p>PreN: Help the learners draw the outline of the stone/s on a piece of paper, compare it with the illustrations drawn by your peers and analyse the size and shape of the stones. big/small, bigger than/smaller than, looks like a triangle, circle, round, oval and more.</p>  <p>Nursery: Collect all stones brought by learners in a container. Segregate stones in different categories based on the colour and weight properties. Heavy/light, heavier than/lighter than, shades of grey, white, brown, black, and more</p>  |

Day 1





Environmental Science



| Materials Required | Learning Domain | Activity |
|--|---|---|
| <p>Pebbles/Stones</p> <p>Children bring some of these from home, park, pavement or road during their daily excursion/s</p> | <p>KG: Origin and Uses</p>  | <p>KG: Discuss about-where do the stones come, above the ground-hills, mountains, or from underground-mines and quarries? Can the stones be broken into smaller pieces, are all stones hard? Which stones sink and which float? Which items are made of stone around us? Make a list of these items.</p> <p>Perform sink and float activity using pebbles, pumice stone and a piece of granite.</p> <p>The pumice will float for a while and then gradually sink. The granite will sink. Small pebbles will float momentarily and then sink.</p>  |




Day 2 Numeracy



| Materials Required | Learning Domain | Activity |
|---|---|--|
| <p>Use the same stones from day one brought by learners, add more if required</p> | <p>Numeracy</p> <p>PreN: Making number symbol using stones</p> <p>Nursery: One to one correspondence exploring number value using pebbles for value representation</p> <p>KG: Exploration of numeric concepts of addition, subtraction, greater or smaller than and more.</p> | <p>PreN: Draw number symbols on floor or ground using a chalk, invite learners to make outlines of the symbols using pebbles or stones. Help the learner in identifying the number name/s.</p> <p style="text-align: center;">One</p>  <p>Nursery: Assist the learners in exploring the value of a number using pebbles for representation such as lining up five pebbles in front of number symbol 5.</p> <p style="text-align: center;">Five </p>  <p>KG: Help learners know about these concepts through these experiential activities such as: how much is 5+4, can you use the pebbles to find an answer to this?</p>  |

Day 3 Literacy


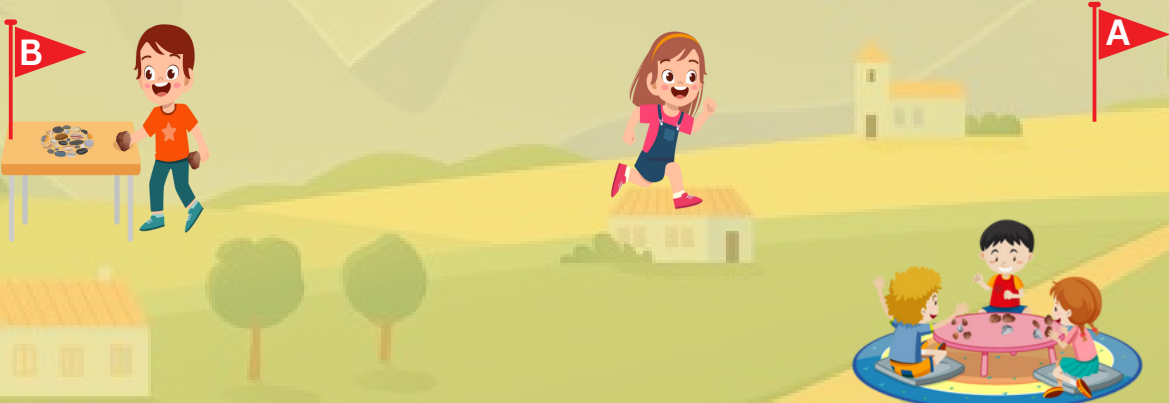


| Materials Required | Learning Domain | Activity |
|--------------------|---|---|
| Pebbles/stones | <p>Literacy PreN: Pre-writing symbols and patterns</p> <p>Nursery: Constructing letter symbols</p> <p>KG: Use pebbles to draft three letter words</p> | <p>PreN: Assist the learner to construct lines and patterns such as standing/sleeping/slanting lines and patterns like zig zag/circles/curves and dots. Construct simple letters like I, L, M, V, Z and similar ones.</p>  <p>Nursery: Draw letter symbols on the floor with chalk and construct letter outlines using pebbles.</p>  <p>KG: Help the learners to draw and construct simple three letter words and say these using phonic sounds of the letters such as: pat, mat, can, fan, bin, fin and more.</p>  |

Day 4

Physical Development




| Materials Required | Learning Domain | Activity |
|-----------------------------|--|--|
| <p>Pebbles/stones/rocks</p> | <p>Gross and Fine Motor Development:</p> <p>PreN: Developing large limbs strength</p> <p>Nursery: Body balance and speed</p> | <p>PreN: Organise a relay race using stones instead of the baton for learners of this age-group.</p>  <p>Nursery: Organise a collect and run race for learners. Place pebbles on a table at point B, children start from point A, reach point B, collect stones and fill their pockets with stones and run back to point A. Help the learners count and compare the number of pebbles collected by each child.</p>  |

Day 4

Physical Development




| Materials Required | Learning Domain | Activity |
|----------------------|---|---|
| Pebbles/stones/rocks | KG: Aiming and body coordination | KG: Help the learner throw a stone in one direction, mark the dropping point for all participants and measure the distance using footsteps as the measuring unit. Encourage the participants to analyse the data collected in terms of who threw the stone farthest, closest to the starting point.  |

Day 5

Creative Development



| Materials Required | Learning Domain | Activity |
|--------------------------------------|--|--|
| <p>Painting materials and stones</p> | <p>Art Creative expression through fine arts. Same activity for all learning levels</p> | <p>Making a stream of colourful and decorated stones. Children of all learning levels paint and decorate stones using the colours and other materials of their choice. Once the stones are painted and dried, these are arranged in the form of a stream in the open space.</p>  |



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