



### Maths Environment Planning Aged Nursery

Resources	How is it organised and why	Link to EYFS / Research / C of EL	Adult Role
<p>Wooden/plastic/magnetic/flashcard numbers of varying sizes.            Numicon            Counters (both simple circle ones and other e.g. dinosaur/transport etc.)            Lolly sticks            Number lines/hundred squares            Dominos            Multilink            Natural resources e.g. stones, pine cones, sticks            Chalks            Mini beasts            Bead strings (10 and 20)            2D/3D shapes            Sand timers            Beads and laces            Egg cartons with 10 spaces for eggs            Whiteboards and pens/Chalk boards and chalk            Peg boards and pegs            Shape/number jigsaws            Scales            Rulers/tape measures            Cardboard tubes with measurements on.            Tongs            Wooden rings and stand            Till            Various sized pots for sorting            Russian dolls            Buttons            Spirit level            Kitchen equipment            Board Games            Outdoor balance scales</p>	<p>Displayed at child height so that children can see them regularly. Others in labelled child accessible containers so that children can use them whenever necessary.</p> <p>Put resources in labelled child accessible containers so that children can use them whenever necessary.</p> <p>Position where useful for example tape measure with the blocks.</p> <p>Place junk modelling separately by shape.</p> <p>Outside resources being outside resources not inside taken outside for example large scale items such as giant balance scales.</p> <p>Mud kitchen items durable and organised daily.</p>	<ul style="list-style-type: none"> <li>- Using reclaimed items provides transformative opportunities whereby children can turn the ordinary into the extraordinary (critical thinking) linked to EAD, MATHS, &amp; PSED</li> <li>- Children match shapes when putting items back (MATHS)</li> <li>- Selecting and working by themselves, linked to PSED</li> <li>- Sorting, categorising and counting reclaimed items linked to UW &amp; MATHS</li> <li>- Matching, comparing, and problem solving, linked to MATHS</li> <li>- Measuring with everyday objects, linked to MATHS</li> <li>- Engaging in experiences involving counting and one-to-one correspondence, linked to MATHS</li> <li>- Communicating using mathematical symbols through stories, rhyme, and song linked to MATHS</li> <li>- Engaging in activities exploring part to whole</li> <li>- Creating and repeating patterns using 2- 3 elements (or more? ), linked to EAD &amp; MATHS</li> <li>- Exploring everyday math through role play, linked to EA</li> <li>- Noticing similarities and differences, linked to UW</li> <li>- Can follow more than one direction, linked to PSED</li> <li>- Lining up objects, linked to PD</li> </ul>	<p>Adult to observe children exploring mathematical equipment, if appropriate model different ways how to use the equipment, question children and support their learning.</p> <p>Stand back and let children experiences the many "firsts" that comes with exploring open ended materials</p> <p>Ignite children's exploratory impulse through intentional provocations and relaunch children's ideas in new ways to deepen knowledge.</p> <p>Suggest possibilities for children to apply their mathematical knowledge</p> <p>Language:</p> <ul style="list-style-type: none"> <li>- Spatial relationships/ location</li> <li>- Prepositions</li> <li>- Order</li> <li>- Length</li> <li>- Opposites</li> </ul>



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<p>Buckets and measuring equipment in sand  Mud kitchen and resources for cooking  Sorting hoops  Bean bags  Balls  Basketball net  Numbered buckets  Large and small dice  Large wooden numbers for outdoors  Water tray  Sand Tray  Mixing Tray  Community blocks  Large bricks  Lego  Scoops and tongs  Tiles  Books about Maths</p>	<p>Set up cooking and playdough making area inside.</p>	<ul style="list-style-type: none"> <li>- Coping with challenges, linked to PSED</li> <li>- Experimenting with mark making and symbols, linked to LIT</li> <li>- Exploring lift the flap type math concept books, linked to LIT</li> </ul>	
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