



Turney School Schemes of Work – Mathematics

By the end of the Engagement Pathway pupils will:

- Understand routines and transitions.
- Make a simple choice using real objects or symbols independently.
- Initiate an interaction with an adult.
- Engage with number rhymes and stories
- Engage in problem solving
- Have an awareness of object permanence
- Engage with using numbers in real life situations
- Count objects consistently to 5
- Make a simple sequence with support
- Apply these skills to everyday living and practical situations with support.

By the end of the Semi-Formal pathway pupils will:

- Have developed 1:1 correspondence
- Be able to count consistently up to 10
- Apply number skills to real-life situations.
- Problem solve
- Complete simple sequences
- Begin to recognise capacity and measure.
- Apply these skills to everyday living and practical situations with support.

Learning Intention	Skills	Implementation – Learning Strategies
Engagement Pathway	Pupils will	
To engage, explore and develop curiosity about: Number	Number	Pupils will be given the opportunity to develop curiosity, explore and engage through a range of practical learning experiences to become familiar with mathematical concepts.

<p>Shape, Space & Measure</p> <p>Applying number to develop life-skills.</p>	<p>Engage in a range of activities to sort and classify objects</p> <p>Explore object permanence</p> <p>Show an interest in number rhymes and songs to become familiar with and counting numbers</p> <p>Explore number in everyday situations</p> <p><u>Shape, Space, Measure</u></p> <p>Engage in a range of activities to sort and classify objects</p> <p>Stack and queue objects.</p>	<p>Intensive interaction</p> <p>Number rhymes – join in with actions and words.</p> <p>Snack time to develop object permanence and engage with counting, numbers.</p> <p>Messy play – wet sand, dry sand, tuff trays to explore and find and sort objects</p> <p>Dig, scoop, find activities to develop curiosity to find, sort, count.</p> <p>A range of shape sorters</p> <p>Bricks, construction, for stacking, sorting and queing.</p> <p>Small world opportunities to explore colours, shapes, counting</p> <p>Role play oportunities to explore using number in real life situations – shops, cafes, homes etc.</p> <p>Large playground equipment to encourage spatial awareness</p> <p>Food technology sessions</p> <p>Life-skills trips to shops.</p>
<p>Learning Intention Semi-Formal Pathway</p>	<p>Skills Pupils will</p>	<p>Implementation – Learning Strategies</p>

<p>To become familiar and gain an understanding of: Number</p> <p>Shape, Space & Measure</p> <p>Applying number to develop life-skills.</p>	<p><u>Number</u></p> <p>Develop an understanding of 1:1 correspondence</p> <p>Count objects up to 10</p> <p>Apply number knowledge to answer questions and solve simple problems</p> <p>Apply number knowledge in everyday situations.</p> <p><u>Shape, Space, Measure</u></p> <p>Sort and classify a range of objects according to shape, size, type</p> <p>Explore differences in size, identifying and sorting by criteria – big/small, tall/short etc.</p> <p>Sequence objects to make simple patterns.</p>	<p>Pupils will be given the opportunity to develop curiosity, explore and engage through a range of practical learning experiences to become familiar with understanding the world in which they live.</p> <ul style="list-style-type: none"> • Early counting strategies – physically putting items in containers, Using fingers to consolidate, use of number lines to support counting . • Role play to develop one to one correspondence and counting in role play situations – shops, home etc. • Messy play and tuff trays to sort and classify – wet sand, dry sand, tuff trays • Dig, scoop, find activities to develop curiosity to find, sort, count. • Play dough and real objects to make and sequence patterns. • Construction to make and follow simple patterns • Lego and construction to experiment with size. • Water play to experiment with volume
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