



APPLETREE NURSERY SCHOOL

Mathematics

Characteristics of Effective Learning:

At Appletree Nursery School we are committed to ensure that children learn and develop through the following ways

Playing and Exploring: children are encouraged to engage in open-ended activities using their senses and taking risks;

Active Learning: children are motivated to learn and concentrate through an exciting and stimulating curriculum showing high levels of energy and having pride in their individual achievements;

Creating and thinking creatively: children are confident to show higher level thinking skills, following their own ideas and interests as they make predictions and solve problems

Unique Child:

Aims:

Children initiating activities within a careful planned environment, that promotes learning and can be extended to meet the children's individual needs.

Children enjoy mathematical learning because it is purposeful.

Children have opportunities to practice their mathematical skills and knowledge through games which consolidate and extend their knowledge.

Positive Relationships:

Aims:

To be aware of the importance of mathematics in everyday life and present opportunities for mathematical development through stories, songs, games, and imaginative play using the appropriate mathematical terminology.

For practitioners to help children to see themselves as mathematicians, and develop positive attitudes and dispositions towards learning.

For practitioners to maintain children's enthusiasm and confidence when they begin to record their mathematics.

To plan a range of mathematical opportunities and intervene in children's play to talk 'mathematically' and encourage the children's mathematical development.

To support children's thinking by showing interest in methods, not just solutions.

Enabling Environments:

Aims:

To promote and extend children's mathematical understanding through a wide range of practical activities that encourage the children to become confident and competent in learning and using key skills

Opportunities for children to develop their confidence and join in with or talk about mathematical activities.

To incorporate mathematical concepts and phrases throughout the environment making everyday mathematics visible

To provide interesting and stimulating resources that encourage the children to use mathematical concepts in their play

The Curriculum will involve...

Counting and numbers

Sorting

Matching

Seeking patterns

Making connections

Recognising relationships

Shape, space and measures

How we will achieve the curriculum...

Ensure the environment both indoors and outdoors reflects the curriculum guidance for the foundation stage.

Organise well-resourced areas of provision within the classroom which will be recorded through continuous provision planning.

Examine our current practice to identify the opportunities for children to have meaningful activities to promote mathematical development

To acquire new equipment/resources to support children's individual approaches to mathematical activities such as differing schemas and learning styles

Attend relevant training courses to update staff knowledge and ability

Assessment Aims

To continually monitor and evaluate children's understanding of mathematical skills through:

- a) Daily observations
- b) Targeting children and their development
- c) Following the assessment policy