Concepts and Skills

Mathematical Practices- Children grow as mathematical thinkers by developing positive attitudes and self-confidence as a young mathematician, understanding and using “math words” in everyday life, applying math skills to everyday classroom activities, and using math to solve problems.

|  |  |  |
| --- | --- | --- |
| Concepts/Skills | Descriptor(s)   1. X 2. X | Activity and Documentation:   1. X 2. X |
| Next Steps: | | |
| Family Input: | | |

Counting and Quantity - Learning to Count involves many skills and concepts such as learning number names and their order. Young children grow in understanding as they recite numbers in song and rhyme, count to tell the number of objects, and instantly recognize small numbers without counting, such as when they play games. As they learn about counting, they make meaning out of numbers, answer How Many? questions, and grow in understanding quantity.

|  |  |  |
| --- | --- | --- |
| Concepts/Skills  List of Concepts from Units to date | Descriptor(s)   1. X 2. X | Activity and Documentation:   1. X 2. X |
| Next Steps: | | |
| Family Input: | | |

Operations and Algebra- Preschoolers explore adding, subtracting, multiplying and dividing through their play with manipulatives. They first explore these ideas with objects through activities, stories, and games. These math ideas are the foundation for more formal operations ( 1 + 1 = 2) that they will explore in kindergarten and primary grades.

|  |  |  |
| --- | --- | --- |
| Concepts/Skills  List of Concepts from Units to date | Descriptor(s)   1. X 2. X | Activity and Documentation:   1. X 2. X |
| Next Steps: | | |
| Family Input: | | |

Shapes and Space- Preschoolers begin to identify and explore common shapes with materials and blocks. They experience the idea of Space by learning about directions and position. Shape and Space are early Geometry ideas.

|  |  |  |
| --- | --- | --- |
| Concepts/Skills  List of Concepts from Units to date | Descriptor(s)   1. X 2. X | Activity and Documentation:   1. X 2. X |
| Next Steps: | | |
| Family Input: | | |

Measurement and Data- Preschoolers love to play with measurement ideas: finding out how fast a small car can travel down a ramp, or comparing their heights with others. They can begin using different measuring tools for different purposes. At preschool, we often explore different problems and gather information (data) about them. We then make charts or graphs that help us see patterns and groups.

|  |  |  |
| --- | --- | --- |
| Concepts/Skills  List of Concepts from Units to date | Descriptor(s)   1. X 2. X | Activity and Documentation:   1. X 2. X |
| Next Steps: | | |
| Family Input: | | |