

Mathematics PreKindergarten 4

Illinois Early Learning and Development Standards

- 6.A Demonstrate beginning understanding of numbers, number names, and numerals
- 6.B Add and subtract to create new numbers and begin to construct sets
- 6.C Begin to make reasonable estimates of numbers
- 6.D Compare quantities using appropriate vocabulary terms
- 7.A Measure objects and quantities using direct comparison methods and nonstandard units
- 7.B Begin to make estimates of measurements
- 7.C Explore tools used for measurement
- 8.A Explore objects and patterns
- 8.B Describe and document patterns using symbols
- 9.A Recognize, name, and match common shapes
- 9.B Demonstrate an understanding of location and ordinal position, using appropriate vocabulary
- 10.A Generate questions and processes for answering them
- 10.B Organize and describe data and information
- 10.C Determine, describe, and apply the probabilities of events

* The map is a guide. Adjustments are made daily to meet the widespread needs of the students. Every child may not reach the benchmarks by the end of the year. Growth, instead of mastery, is assessed.

Technology

SMART Board

Standards	Essential Questions	Content	Skills	Assessment	Resources
Number Sense 6A 6B 6C	Number Sense What are numbers?	Number Sense -Count objects 0-20 -Subitize 0-6 -Zero -Number sets and values 0-20 -Numbers and letters -Rote count 0-20 -Counting on 0-20 -Counting back 0-20 -Estimate	Number Sense -Demonstrate counting objects 0-20 -Identify quantity visually without counting -Explain that zero means nothing -Practice, show, match, and build number sets -Differentiate between numbers and letters -Count out loud -Tell the number that comes next -Tell the number that comes before -Make reasonable numerical guesses	Number Sense -Teacher observation -Worksheets -Class discussion -Portfolio	Number Sense -Manipulatives -Games -Charts -Graphs

Mathematics PreKindergarten 4

Standards	Essential Questions	Content	Skills	Assessment	Resources
Addition and Subtraction 6B 6D	Addition and Subtraction How are numbers combined and separated?	Addition and Subtraction -Combinations -Separation -Equal -Compare	Addition and Subtraction -Discover, identify, and solve number combinations and separations -Use vocabulary: more, less, greater than, fewer, equal to, same as	Addition and Subtraction -Teacher observation -Worksheets -Class discussion -Portfolio	Addition and Subtraction -Manipulatives -Games -Charts -Graphs
Measurement 7A 7B 7C	Measurement What is measurement?	Measurement -Sort and classify -Nonstandard units -Standard units -Tools -Compare -Time	Measurement -Separate objects by attribute -Use nonstandard units to measure -Use measurement tools -Use vocabulary/tools to describe and compare measurements -Know the daily schedule	Measurement -Teacher observation -Worksheets -Class discussion -Portfolio	Measurement -Manipulatives -Games -Charts -Graphs
Patterns 8A 8B	Patterns What are patterns?	Patterns -Sort -Order -Compare -Label	Patterns -Recognize, duplicate, extend, create, and explain patterns	Patterns -Teacher observation -Worksheets -Class discussion -Portfolio	Patterns -Manipulatives -Games -Charts -Graphs
Geometry 9A	Geometry What are shapes?	Geometry -Shapes: 2D and 3D -Sort -Rotate and flip	Geometry -Recognize and name shapes -Combine two-dimensional shapes to create a new shape -Describe and sort shapes -Rotate and flip a shape to change how it looks	Geometry -Teacher observation -Worksheets -Class discussion -Portfolio	Geometry -Manipulatives -Games -Charts -Graphs
Geometry 9B	Geometry How is location described?	Geometry -Location -Ordinal position	Geometry -Use positional words to identify location	Geometry -Teacher observation -Worksheets -Class discussion -Portfolio	Geometry -Manipulatives -Games -Charts -Graphs

Mathematics PreKindergarten 4

Standards	Essential Questions	Content	Skills	Assessment	Resources
<p>Data 10A 10B 10C</p>	<p>Data How is information collected and interpreted?</p>	<p>Data -Question -Predict -Collect data -Organize data -Analyze data -Probability</p>	<p>Data -Ask questions -Predict the outcomes -Collect data -Organize data using concrete objects, pictures, and graphs -Interpret data -Discuss likelihood of events using vocabulary such as possible and impossible</p>	<p>Data -Teacher observation -Worksheets -Class discussion -Portfolio</p>	<p>Data -Manipulatives -Games -Charts -Graphs</p>