

Growing With Mathematics

Kindergarten

IC = In-Class Observation

AT = Assessment Task

P = Portfolio

Unit 1		
Sorting and Classifying		
Time to complete: 10 days		
Learning Expectations	GLEs	Assessment
Algebra	1.1.1	
Recognize and identify colors	1.2.1 1.3.2	P; IC
Recognize and describe same and different	1.4.3 1.4.5	IC
Recognize, describe, and compare the attributes of an object	2.1.1 4.2.2 5.3.1	P; IC
Sort and classify objects using a teacher-directed rule		IC; AT 1.1
Sort and classify objects using a child-selected rule		IC
Sort and classify objects using more than one attribute		IC; AT 1.2
Determining simple sorting rules		IC; AT 1.3

Unit 2		
Counting to Ten		
Time to complete: 10 days		
Learning Expectations	GLEs	Assessment
Number and Operations	1.1.2	
Say the numbers one to ten in order (rote count)	5.3.1	IC; AT 2.1

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Count to find objects in a group using one-to-one correspondence		IC; AT 2.2
Count to find the number of objects in a picture		IC; AT 2.3
Represent the numbers one to ten using concrete materials or drawings		P; AT 2.4
Match a group of objects or pictures to a given number		IC; AT 2.5

Unit 3 Space, 3-D Shapes, and Patterns

Time to complete: 15 days

Learning Expectations	GLEs	Assessment
Algebra	1.3.3	
Recognize and describe a pattern	1.4.3 1.5.1	IC; AT 3.4
Copy and extend a pattern	2.2.1	IC; P; AT 3.4
Create a simple pattern	4.2.2	IC; P
Geometry		
Identify Left and Right		IC; AT 3.1
Identify the position of an object		IC; AT 3.1
Place objects in a stated position		IC; AT 3.1
Identify and name 3-D shapes		IC; P; AT 3.2
Describe the characteristics of a 3-D shape		IC; AT 3.3

Unit 4 Exploring Numbers 0-9

Time to complete: 10 days + 5 days for review

Learning Expectations	GLEs	Assessment
Number and Operations	1.1.1	
Count to find the number of objects or pictorial items in a group	1.1.2 1.2.1 1.4.3	IC

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Represent numbers zero to nine		IC; P; AT 4.1
Recognize the numerals 0 to 9		IC; AT 4.3
Read the number words <i>zero to nine</i>		IC; P
Write the numerals 0 to 5		IC; P
Match quantities, numerals, and number words (to 9)		IC; P; AT 4.2
Identify And name the ordinal positions first to sixth		IC; AT 4.4

Unit 5 Introducing Measurement

Time to complete: 10 days

Learning Expectations	GLEs	Assessment
Algebra	1.4.3	
Sort, classify, and order objects by size	1.4.5 2.2.2	IC; AT 5.1
Describe the way in which an object's measure has changed (qualitative change)	4.2.2 5.2.1	IC; P
Measurement		
Recognize the attribute of length		IC
Recognize the attribute of weight		IC
Recognize the attribute of volume		IC
Compare and describe objects by length, weight, or capacity		IC; AT 5.2, 5.3
Order objects by length, weight or capacity		IC; P; AT 5.4
Recognize the attribute of time		IC

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Unit 6		
Comparing, Ordering, and Joining Numbers		
Time to complete: 15 days		
Learning Expectations	GLEs	Assessment
Number and Operations	1.1.2	
Compare quantities (to 9)	1.1.5	IC; AT 6.1
Write numerals 6 to 9	1.4.3	P
Order quantities, numerals, and number words (to 9)	1.4.5 2.1.1	IC; AT 6.2
Count backward (from 9)	4.2.2	IC
Describe a quantity as two groups		IC; AT 6.3
Show the parts of a total in different ways		IC
Combine two groups		IC; P; AT 6.4

Unit 7		
Exploring 2-D Shapes and Patterns		
Time to complete: 15 days		
Learning Expectations	GLEs	Assessment
Algebra	1.4.3	
Solve simple logic problems	1.4.5 2.2.1	IC; AT 7.3
Sort and classify shapes	3.1.1	IC; AT 7.2
Copy, extend, and create a pattern	4.2.2 5.1.1	IC; P; AT 7.4
Differentiate a patterns from a non-pattern		IC
Geometry		
Identify and name shapes		IC; P; AT 7.1
Represent 2-D shapes		IC; P
Recognize that a square is a rectangle with four equal sides		IC

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Unit 8		
Grouping and Separating Numbers		
Time to complete: 15 days		
Learning Expectations	GLEs	Assessment
Number and Operations	1.1.1	
Represent numbers (to 10)	1.1.5	IC; AT 8.1
Identify missing numbers in a sequence (to 10)	1.4.3 1.4.5	IC; P
Count forward from a number other than one	1.5.3 2.1.1	IC; AT 8.2
Combine two groups and find the total (addition)	3.1.1 4.2.1	IC; P; AT 8.3
Identify penny, nickel, and dime		IC
Solve simple problems using pennies		IC
Find the results when objects are separated from a group (subtraction)		IC; AT 8.4

Unit 9		
Exploring Numbers 11-15		
Time to complete: 10 days		
Learning Expectations	GLEs	Assessment
Number and Operations	1.4.3	
Rote count to 15	1.4.5	IC; AT 9.1
Recognize numerals (to 15)	1.5.3	IC
Match quantities and numerals (to 15)	2.2.2 3.3.1	IC; P; AT 9.2
Represent numbers (to 15)	5.1.1	IC; AT
Compare quantities (to 15)	5.1.2	IC; AT 9.3
Order quantities and numerals (to 15)		IC
Combine groups and count to find the total (to 15)		IC

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Unit 10 Measurement		
Time to complete: 10 days		
Learning Expectations	GLEs	Assessment
Algebra	1.2.4	
Describe qualitative and quantitative change	2.2.1 4.2.1	IC
Measurement	5.2.1	
Find and compare the length of objects using nonstandard units		IC; P; AT 10.1
Find and compare the capacity of containers using nonstandard units		IC; AT 10.2
Find and compare the volume of containers using nonstandard units		IC
Describe and order simple events		IC; P; AT 10.3

Unit 11 Exploring Numbers 0-20		
Time to complete: 10 days		
Learning Expectations	GLEs	Assessment
Number and Operations	1.1.1	
Rote count to 20	1.4.3	IC; AT 11.1
Recognize numerals to 20	1.4.5 1.5.3	AT; P; AT 11.2
Count items in a collection (to 20)	2.1.1 3.2.1	IC
Represent numbers (to 20)	5.1.2	IC
Count and compare quantities (to 20)	5.3.1	IC
Represent quantities using pennies		IC; AT 11.3
Solve simple addition problems		IC; P; AT 11.4

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Unit 12		
Equal Groups, Sharing, and Fractions		
Time to complete: 15 days		
Learning Expectations	GLEs	Assessment
Number and Operations	1.5.3	
Make and describe equal groups	1.1.5 2.2.1	IC; P; AT 12.1
Combine equal groups and count to find the total		P
Describe fair shares		IC; AT 12.2
Share an even number of items between two		IC; P; AT 12.3
Solve simple story problems		IC