

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.A.1

Strand: Problem Solving

Diocesan Standard Terra Nova Objective	Benchmark Statement
Use a variety of strategies in the problem-solving process	Justify the process he or she used to solve a numerical problem.

Performance Indicator
1. Demonstrate strategies for solving problems.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.A.2

Strand: Problem Solving

Diocesan Standard Terra Nova Objective	Benchmark Statement
Use a variety of strategies in the problem-solving process	Make organized lists, tables, or charts to solve a problem.

Performance Indicators		
1. Sort a group to find more or less.		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.A.3

Strand: Problem Solving

Diocesan Standard Terra Nova Objective	Benchmark Statement
Use a variety of strategies in the problem-solving process	Use whole number models to solve a problem.

Performance Indicators Error! Bookmark not defined.
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1. Match numbers and sets.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.A.4

Strand: Problem Solving

Diocesan Standard Terra Nova Objective	Benchmark Statement	
Use a variety of strategies in the problem-solving process	Use “guess and check” to solve problems.	
Performance Indicators		
<ol style="list-style-type: none"> 1. Use estimation. 2. Use guess and check to solve problems. 		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: KINDERGARTEN
 Section/Heading: KB.1

Strand: Understand and Apply Basic and Advanced Properties of the Concepts of Numbers.

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of numbers.	Understand that numbers are symbols used to represent quantities or attributes of real-world objects.

Performance Indicators
<ol style="list-style-type: none"> 1. Use one-to-one correspondence. 2. Form numbers to match the correct amount of objects.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.B.2

Strand: Properties and Concepts of Numbers

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of numbers.	Count whole numbers (cardinal and ordinal).

Performance Indicators
<ol style="list-style-type: none"> 1. Count to 10, 20, 50, and 100 orally. 2. Write numbers to 31. 3. Count coins. 4. State positions 1-5.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.B.3

Strand: Properties and Concepts of Numbers

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of numbers.	Understand symbolic, concrete, and pictorial representations of numbers.

Performance Indicators
<ol style="list-style-type: none"> 1. Make sets of specific numbers of objects. 2. Write number related to set made. 3. Draw pictorial representations of sets.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.B.4

Strand: Properties and Concepts of Numbers

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of numbers.	Understand basic whole number relationships.

Performance Indicators
1. Arrange numbers in sequences. 2. Recognize more or less. 3. Recognize numbers that come before, after or between a given number.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.B.5

Strand: Properties and Concepts of Numbers

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of numbers.	Understand the concept of a unit and its subdivision into equal parts.

Performance Indicators
<ol style="list-style-type: none"> 1. Recognize units divided into equal parts. 2. Identify one-half of an object or set.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.B.6

Strand: Properties and Concepts of Numbers

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of numbers.	Understand the basic meaning of place value.

Performance Indicators

1. Use tens and ones to demonstrate number values.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.C.1

Strand: Computation

Diocesan Standard Terra Nova Objective	Benchmark Statement
Use basic and advanced procedures while performing the processes of computation	Add and subtract whole numbers.

Performance Indicators	
<ol style="list-style-type: none"> 1. Add numbers to sum of six. 2. Subtract numbers from six 3. Identify symbols of addition, subtraction, (+, -, =). 4. Demonstrate ability to add and subtract to six in vertical and horizontal format. 	

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.C.2

Strand: Computation

Diocesan Standard Terra Nova Objective	Benchmark Statement
Use basic and advanced procedures while performing the processes of computation	Solve real-world problems involving addition and subtraction of whole numbers.

Performance Indicators Error! Bookmark not defined.
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1. Solve simple problems using money.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.C.3

Strand: Computation

Diocesan Standard Terra Nova Objective	Benchmark Statement
Use basic and advanced procedures while performing the processes of computation	Understand the inverse relationship between addition and subtraction.

Performance Indicators
1. Recognize inverse in relational words.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.D.1

Strand: Measurement

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of measurement	Understand the concept of time and how it is measured.

Performance Indicators
<ol style="list-style-type: none"> 1. Understand that certain activities require more or less time. 2. Order events by picture cards (uses first, next or last). 3. Work with calendar activities. 4. Use three picture cards to arrange sequence.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.D.2

Strand: Measurement

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of measurement	Know the processes for telling time, counting coins and measuring length, weight, and temperature, using basic standard and non standard units.

Performance Indicators
<ol style="list-style-type: none"> 1. Tell time to the hour using analog (face) and digital clock. 2. Identify name and value of penny, nickel, dime and quarter. 3. Measure weight and length of a given object. 4. Compare 3 or more objects in length to determine shortest and longest. 5. Use balance scale for weight to determine heaviest and lightest object. 6. Distinguish between hot and cold temperatures.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: KINDERGARTEN
 Section/Heading: KE.1

Strand: Geometry

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of the concepts of geometry	Understand the common language of spatial sense.

Performance Indicators
<ol style="list-style-type: none"> 1. Identify and draws plain figures—triangle, circle, rectangle, square. 2. Identify solid figures by its attributes.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.F.1

Strand: Probability and Data Analysis

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced concepts of probability and data analysis	Understand that observations about objects or events can be organized and displayed in simple graphs.

Performance Indicators
<ol style="list-style-type: none"> 1. Identify and use position words. 2. Sort objects by color, size, shape and use. 3. Organize data into simple bar graphs. 4. Use a number line to locate and sequence numbers.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.F.2

Strand: Probability and Data Analysis

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced concepts of probability and data analysis	Organize and display data in simple bar graphs, pie charts and line graphs.

Performance Indicators
<ol style="list-style-type: none"> 1. Sort objects by color, size, shape and use. 2. Organize data into simple bar graphs.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.G.1

Strand: Functions and Algebra

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of functions and algebra	Recognize regularities in a variety of contexts.

Performance Indicators
<ol style="list-style-type: none"> 1. Find patterns in everyday life—clothes, nature, tile, etc. 2. Sort objects by color, size, shape, and use (also covered in strand 6).

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: Kindergarten
 Section/Heading: K.G.2

Strand: Functions and Algebra

Diocesan Standard Terra Nova Objective	Benchmark Statement
Understand and apply basic and advanced properties of functions and algebra	Extend simple patterns.

Performance Indicators
<ol style="list-style-type: none"> 1. Complete a pattern of objects. 2. Create and extend an original pattern.

Suggested Activities	Assessment	Resources