

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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 Indicators		
<ol style="list-style-type: none"> 1. Demonstrate and reproduces strategies for solving problems. 2. Provide simple explanation for use of a strategy. 		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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
<ol style="list-style-type: none"> 1. Sort a group and records information. 2. Use information gathered to answer questions.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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		
1. Match numbers and sets.		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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: First
 Section/Heading: 1.B.1

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 that numbers are symbols used to represent quantities or attributes of real-world objects.

Performance Indicators
<ol style="list-style-type: none"> 1. Compare groups to identify more and less. 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: First
 Section/Heading: 1.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 and writes to 100. 2. Identify even and odd numbers. 3. Count mixed coins. 4. Count by 2, 5, 10 and 25. 5. State position 1-10. 		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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. Draw pictorial representations of sets to solve computation problems. 3. Build sets of 10's and 1's to demonstrate place value.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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
<ol style="list-style-type: none"> 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: First
 Section/Heading: 1.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
1. Recognize units divided into 2, 3, and 4 equal parts. 2. Identify $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$ of an object or set. 3. Compare fractional parts.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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
<ol style="list-style-type: none"> 1. Use tens and ones to determine place value. 2. Relate standard number to expanded form with 10's and 1's (i.e. 13= one 10 and three 1's).

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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, subtract numbers to and from 12, in vertical and horizontal format. 2. Add, subtracts 2-digit numbers without regrouping.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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		
<ol style="list-style-type: none"> 1. Add and subtract real world problems in word problems. 2. Determine math strategy to find a solution. 3. Add and subtract money with and without regrouping. 		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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. Use inverse relationships between addition and subtraction with fact families.		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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 for completion. 2. Order events by picture cards, up to six cards. 3. Work with calendar activities. 4. Use six picture cards to arrange sequence.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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 and half-hour using analog (face) and digital clock. 2. Identify name and value of penny, nickel, dime and quarter. 3. Count mixed coins. 4. Apply knowledge of money to real life situations. 5. Measure length using inches and centimeters. 6. Measure weight using pounds and grams. 7. Measure volume using cup, pint, quart and liter. 8. Measure temperature using thermometer. 		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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. Organize data in simple bar and pictographs. 2. Use number line to aid in computation. 3. Use experiments to test probability when there are 2, 3, or 4 options. 		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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 graph. 		
Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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. Identify patterns in sequences of letters and numbers. 2. Count in intervals greater than 1.

Suggested Activities	Assessment	Resources

Diocese of Jefferson City Curriculum Guide

Content Area: Math
 Grade Range: First
 Section/Heading: 1.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, letters and numbers. 2. Create and extend an original pattern.

Suggested Activities	Assessment	Resources