

**Subject: Math**

**Calendar: 1st 9 weeks**

**Timeframe:9 wks**

**Grade: 1<sup>st</sup> Grade**

### **Unit Objectives:**

#### **Topic 1 - Numbers to 12**

- Read and write numbers to 99
- Describe sets of concrete objects
- Find patterns in numbers
- Use tools such as real objects, manipulatives, and technology to solve problems

#### **Topic 2 - Comparing and Ordering Numbers**

- Compare and order whole numbers using sets of concrete objects and pictorial models
- Select or develop an appropriate problems solving plan or strategy including drawing a picture or acting it out in order to solve a problem

#### **Topic 3 - Understanding Addition**

- Model and create addition problem situations with concrete objects and write corresponding number sentences
- Use tools such as real objects, manipulatives, and technology to solve problems

#### **Topic 4 - Understanding Subtraction**

- Model and create addition and subtraction problem situations with concrete objects and write corresponding number sentences
- Use tools such as real objects, manipulatives, and technology to solve problems

#### **Topic 5 - Five and Ten Relationships**

- Compare and order whole numbers up to 99 using sets of concrete objects and pictorial models
- Model and create addition problem situations
- Model and create subtraction problem situations
- Select or develop an appropriate problem solving plan or strategy including drawing a picture, looking for a pattern, systematic guessing and checking or acting it out in order to solve a problem

<b>Activity Type:</b> Direct Teaching Guided Practice Hands on discovery learning Handouts Discussion Number corner (math wall) Math games and activities Smartboard activities enVision Math curriculum	<b>TEKS:</b> 1.1A, 1.1D 1.3A 1.4 1.5B, 1.5D 1.11A, 1.11C, 1.11D 1.12A 1.13, 1.13A
<b>Materials:</b> enVision guides, games and activities Math wall activities Games and activities Large variety of manipulatives	

<b>SE Modifications:</b> Extra Time Shortened Assignments Peer Tutoring	<b>Resources:</b> enVision Math curriculum guides Math games and activities (learning centers) Scholastic News Teacher created materials Number Corner Computer Lab Smartboard	<b>TA TEKS:</b> 1.A 2.A 3.A 7.A, 7.B 8.A
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<b>GT Modifications:</b> Extra Challenging work Higher level questioning Pull Out program	<b>Evaluation Methods:</b> Teacher Observation Question and Answer Worksheets Tests, Assessments such as benchmark
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**Subject: Math**

**Calendar: 2nd 9 weeks**

**Timeframe: 9 wks**

**Grade: 1<sup>st</sup> Grade**

**Unit Objectives:**

**Topic 6 - Addition Facts to 12**

- Use concrete and pictorial models to apply basic addition facts up to  $9+9=18$
- Select or develop an appropriate problem solving plan or strategy including drawing a picture to solve a problem

**Topic 7 - Subtraction Facts to 12**

- Use concrete and pictorial models to apply basic subtraction facts
- Use concrete and pictorial models to apply basic addition and subtraction facts up to  $9+9=18$  and  $18-9=9$

**Topic 8 - Patterns**

- Identify, describe, and extend concrete and pictorial patterns in order to make predictions and solve problems

**Topic 9 - Counting and Number Patterns to 100**

- Read and write numbers to 99 to describe sets of concrete objects
- Find patterns in numbers including odd and even
- Identify, describe and extend concrete and pictorial patterns in order to make predictions and solve problems

**Topic 10 - Tens and Ones**

- Create sets of tens and ones using concrete objects to describe, compare and order whole numbers
- Solve problems with guidance that incorporates the processes of understanding the problem, making a plan, carrying out the plan, and evaluating the solution for correctness

<b>Activity Type:</b> Direct Teaching Guided Practice Hands on discovery learning Handouts Discussion Number corner (math wall) Math games and activities Smartboard activities enVision Math curriculum	<b>TEKS:</b> 1.1B, 1.1D 1.3A, 1.3B 1.4 1.5A, 1.5B, 1.5D, 1.5E 1.11A, 1.11B, 1.11C 1.12A, 1.12B 1.13
<b>Materials:</b> enVision guides, games and activities Math wall activities Games and activities Large variety of manipulatives	

<b>SE Modifications:</b> Extra Time Shortened Assignments Peer Tutoring	<b>Resources:</b> enVision Math curriculum guides Math games and activities (learning centers) Scholastic News Teacher created materials Number Corner Computer Lab Smartboard	<b>TA TEKS:</b> 1.A 2.A 3.A 7.A, 7.B 8.A
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**Unit Objectives:****Topic 11 - Comparing and Ordering Numbers to 100**

- Compare and order whole numbers using place value
- Compare and order whole numbers up to 99 (less than, greater than, equal to) using sets of concrete objects and pictorial models
- Use whole numbers to describe and compare quantities

**Topic 12 - Counting Money**

- Identify individual coins by name and value and describe relationships among them
- Select or develop an appropriate problem solving strategy including systematic guessing and checking in order to solve a problem

**Topic 13 - Fractional Parts**

- Separate a whole into 2, 3, or 4 equal parts and use appropriate language to describe the parts such as 3 out of 4 equal parts
- Use appropriate language to describe a part of a set such as 3 out of the 8 crayons are red
- Select or develop an appropriate problem solving plan or strategy including drawing a picture in order to solve a problem

**Topic 14 - Addition Facts to 18**

- Use concrete and pictorial models to apply basic addition facts up to  $9+9=18$
- Model and create addition and subtraction problem situations and write corresponding number sentences
- Identify mathematics in everyday situations

**Topic 15 - Subtraction Facts to 18**

- Identify patterns in related addition and subtraction sentences (fact families)
- Model addition and subtraction problem situations and write corresponding number sentences

**Topic 16 - Adding and Subtracting with Tens and Ones**

- Model and create addition and subtraction problem situations with concrete objects and write corresponding number sentences

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<b>Materials:</b> enVision guides, games and activities Math wall activities Games and activities Large variety of manipulatives	

<b>SE Modifications:</b> Extra Time Shortened Assignments Peer Tutoring	<b>Resources:</b> enVision Math curriculum guides Math games and activities (learning centers) Scholastic News Teacher created materials Number Corner Computer Lab Smartboard	<b>TA TEKS:</b> 1.A 2.A 3.A 7.A, 7.B 8.A
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<b>GT Modifications:</b> Extra Challenging work Higher level questioning Pull Out Program	<b>Evaluation Methods:</b> Teacher Observation Question and Answer Worksheets Tests, Assessments such as benchmark
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<b>Subject: Math</b>	<b>Calendar: 4th 9 weeks</b>	<b>Timeframe: 9 wks</b>	<b>Grade: 1<sup>st</sup> Grade</b>
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## Unit Objectives:

### Topic 17 - Geometry and Spatial Reasoning

- Describe and identify two dimensional figures including circles, triangles, rectangles, and squares
- Describe and identify two dimensional figures in order to sort them according to a given attribute using informal and formal language
- Use concrete models to combine two dimensional geometric figures to make new geometric figures
- Describe and identify three dimensional figures including sphere, rectangular prism, cylinder, cube, and cone
- Use concrete models to combine two dimensional geometric figures to make new geometric figures

### Topic 18 - Measurement

- Compare and order two or more concrete objects according to length
- Estimate and measure length using nonstandard units such as paperclips or sides of color tiles
- Describe the relationship between the size of the unit and the number of units needed to measure the length of an object
- Compare and order the area of two or more dimensional surfaces from covers the most to covers the least
- Compare and order two or more containers according to capacity from holds the most to holds the least
- Compare and order two or more objects according to weight/mass from heaviest to lightest
- Compare and order two or more objects according to temperature from hottest to coldest
- Use tools such as real objects, manipulatives, and technology to solve problems

### Topic 19 - Time

- Read time to the hour and half hour using analog clocks and digital clocks
- Order three or more events according to duration
- Understand that time can be measured
- Use time to describe and compare situations

### Topic 20 - Data and Graphs

- Draw conclusions and answer questions using information organized in real object graphs
- Collect and sort data
- Use organized data to construct real object graphs
- Use information from organized data



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<b>Materials:</b> enVision guides, games and activities Math wall activities Games and activities Large variety of manipulatives	1.12A, 1.12B

<b>SE Modifications:</b> Extra Time Shortened Assignments Peer Tutoring	<b>Resources:</b> enVision Math curriculum guides Math games and activities (learning centers) Scholastic News Teacher created materials Number Corner Computer Lab Smartboard	<b>TA TEKS:</b> 1.A 2.A 3.A 7.A, 7.B 8.A
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