

**SAINT JOSEPH ELEMENTARY SCHOOL**  
**Math Grade 3**

CONTENT				CATHOLIC IDENTITY	MATH STANDARDS
<i>Month &amp; Overarching Question</i>	<i>Content</i>	<i>Essential Questions</i>	<i>Books &amp; Materials</i>	<i>Essential Questions</i>	
<b>SEPTEMBER</b>					
	Numeration	How do we form numbers and arrange them on a number line?	enVision Math Topic 1	What is the timeline of Jesus' life?	3.NBT.A.1 3.NBT.A.2
		How do numbers round to nearest 10 and 100?			
	Number Sense: Addition and Subtraction	What properties of addition help us to add?	enVision Math Topic 2	How can we use addition to find out how many students are in Saint Joe's Elementary School?	3.NBT.A.1 3.NBT.A.2 3.OA.D.8 3.OA.D.9
		What strategies can we use to mentally add and subtract within 1000?			
<b>OCTOBER</b>					
	Using Place Value	Why is it important to use place value when adding and subtracting?	enVision Math Topic 3	How can we use addition and place value to find out how many students attend Catholic Schools in the state of Massachusetts?	3.NBT.A.1 3.NBT.A.2
		What is a balanced equation and how do you create one?			
	Time	How do we tell time to the nearest minute? How can we determine the duration of an event?	enVision Math Topic 12	How can we calculate the minutes Jesus spent suffering on the cross?	3.MD.A.1
<b>NOVEMBER</b>					
	Meanings of Multiplication		EnVision Math Topic 4	If Jesus began with 5 loaves of bread and ended with 25 loaves of bread, what number sentence can we use to describe what happened?	3.OA.A.1 3.OA.A.3 3.OA.B.5
	Meanings of Multiplication	How can we use repeated addition to join equal groups? How can we join equal groups using an array? How can we solve real-world problems by joining or separating equal groups? How can the Commutative Property help us to multiply?	enVision Math Topic 4		3.OA.A.1 3.OA.A.3 3.OA.B.5
	Multiplication Facts: Use Patterns	How can we use patterns to multiply by 0, 1, 2, 5, 9, & 10?	enVision Math Topic 5		3.OA.A.3 3.OA.D.8 3.OA.D.9 3.NBT.A.3
<b>DECEMBER</b>					
	Multiplication Facts: Use Known Facts	How can the Identity and Zero Properties help us to multiply? How can we use known facts to multiply by 3, 4, 6, 7, and 8?	enVision Math Topic 6	Which multiplication facts can we use to determine the following products? 40 (40 days & nights - Lent) 12 (Jesus's 12 disciples), 10 (10 Commandments)	3.OA.A.3 3.OA.B.5 3.OA.D.8

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		How can multiplication help us to find the number of combinations in a group?		How many combinations can we make based on Jesus's 12 disciples?	
<b>JANUARY</b>					
	Meanings of Division	How can we use division to share in equal groups?	enVision Math Topic 7	If Jesus wanted to feed 4 people who were hungry and he had 20 pieces of bread, how many would Jesus be able to give each person?	3.OA.A.2 3.OA.A.3 3.OA.A.4 3.OA.B.6 3.OA.D.9
		How can we use subtraction to help us divide?			
		How can we use division to solve real world problems?			
	Division Facts	How are multiplication and division related?	enVision Math Topic 8		3.OA.A.4 3.OA.B.5 3.OA.B.6 3.OA.C.7 3.OA.D.8
	What properties help us to divide?				
<b>FEBRUARY</b>					
	Understanding Fractions	What is a fraction and what do its parts represent?	enVision Math Topic 9	Of the 12 Apostles, 4 of them were fisherman, so what fraction represents the fisherman among the Apostles?	3.NF.A.1 3.NF.A.2a 3.NF.A.2b 3.G.2
		How can we represent fractions as part of a whole, part of a set, and on a number line?			
<b>MARCH</b>					
	Fraction Comparison and Equivalence	How can we compare fractions that have the denominator and numerator? How can we use models and number lines to compare fractions? How can we compare equivalent fractions on a number line?	enVision Math Topic 10	How will a priest break the bread evenly for the Church community?	3.NF.A.2a 3.NF.A.3a 3.NF.A.3b 3.NF.A.3c 3.NF.A.3d
<b>APRIL</b>					
	Two-Dimensional Shapes and their Attributes	How can we identify and classify shapes based on their properties?	enVision Math Topic 11	How can we create a stained glass window with an image of a cross using different geometric shapes.	
	Perimeter	How can we measure the length around a shape? What units can be used to find the length of a side of a shape?	enVision Math Topic 13	How can we find the approximate perimeter of Saint Joseph's Church?	
<b>MAY</b>					
		How can you measure the amount of space inside a regular or irregular shape?		How can we find the	3.MD.C.5a 3.MD.C.5b 3.MD.C.6

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	Area	What units can be used to measure the area inside a shape? In what ways are perimeter and area related?	enVision Math Topic 14	approximate area of Saint Joseph's Church?	3.MD.C.7 3.MD.D.8 3.OA.A.3 3.G.A.2
	Liquid Volume and Mass	How can you find the capacity of a container? What is matter and how can you find an object's mass?	enVision Math Topic 15	How can we measure the amount of wine Jesus served to his Apostles?	3.MD.A.2
<b>JUNE</b>					
	Data	How can we use a line plot, pictographs, and bar graphs to organize, represent, and compare data?	enVision Math Topic 16	How can we use data to graph the Catholic population in various countries around the world?	3.MD.B.3 3.MD.B.4
	Time	How can we determine the duration of an event?	enVision Math Topic 12	How can we determine the amount of time Jesus spent on the cross?	3.MD.A.1