Grade 2 Enrichment Math Mrs. Kathy Pisano	**Topic Resources**	**Skills**	**Assessment**	**Common Core Standards, Content (Understandings)**	**Essential Question(s)**
August-September	Unit 1: Linear Measurement Everyday Math Enrichment Component Chapters 7,9,12	Advanced Skills: I CAN: *Learn to subdivide length units into fractional units. *Express length as wholde Numbers and fractional units. *Utilize measurement to find perimeter and area *Find unknown side lengths in missing measurement problems.	Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area. Formative Assessment includes: *Measuring objects twice to compare. *Using appropriate tools. *Estimating length *Measurement using a number	*There is a relationship between estimation and measurement *Measurement is a way to describe and compare objects and ideas *A specific process is used to measure attributes of unit lengths *A number line is used to represent measurement attributes such as distance and quantity.	*When should you estimate and when should you have an exact answer? *What properties or attributes can be measured? *How do we measure? *How can accurate measurements help us solve problems and make sense of our world?

			line.		
October-	Unit 2: Two Digit Addition and Subtraction Everyday Math Enrichment Component Chapters 1.2	Skills: Advanced Skills I CAN: *Use Place Value Understanding and properties of multi-digit arithmetic with 1000 *Solve word problems involving time intervals.	Assessments: Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	Content: *Numbers are composed of other numbers. *There are different problem solving structures which can be used to solve problems in multiple ways.	Essential Questions: *How do composing and decomposing numbers lead to understanding word problems? *How can numbers be put together and taken apart to solve problems?
November	Unit 2 Two Digit Addition and Subtraction Everyday Math Enrichment Component Chapters 4,6	I CAN: *Solve 1 and 2 step problems by using information presented in scaled bar graph.	Assessments: Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	*Unknown quantities can be represented in different places in an equation/number models. *Addition and subtraction can be represented on various models such as number lines, picture graphs and bar graphs.	*How does an equation represent and unknown quantity? *How do visual representations depict addition and subtraction?

December	Unit 3: Money Everyday Math Enrichment Component Chapters 1,3	Skills: Advanced Skills: I CAN: *Perform multi-digit arithmetic. *Use place value understanding to round to the nearest 1000. *When moving to the right among the places in a number, the digits represent smaller amounts. *Round to the unit represented by the placement of a number.	Assessment: Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	Content: Coins have different values and are counted according to their values.	Essential Questions: How is money counted?
January-February	Unit 4: Place Value within 1000 and up. Everyday Math Enrichment Component:	Skills: *Advanced Skills: I CAN: *Place Value understanding and properties of multi-	Assessment: Pre-assessment will be given to determine level of knowledge. Formative,	Content: *Numbers are composed of other numbers. *Numbers can represent quantity, position,	Essential questions: *How can numbers be expressed, ordered and compared? *How does the

	Chapters 10,11,12	digit arithmetic within 1000 and up. *Round to the nearest 10, 100,1000. *Compare multi-digit numbers *Explore advanced calculation patterns.	Summative and Self assessments will also determine knowledge of subject area.	location and relationships. *Place value is based on groups of 10. *Flexible methods of computation involve grouping numbers in strategic ways.	position of a digit in a number affect its value? *In what ways can numbers be composed and decomposed? *What are efficient methods for finding sums and differences?
March	Unit 5: Time Everyday Math Enrichment Component: Chapter 8	Advanced Skills: I CAN: *Tell time to the nearest minute. *Measure time intervals in minutes. *Solve word problems involving addition and subtraction of time intervals in minutes	Assessment: Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	Content: *Time can be measured. *Standard units provide common language for communicating time. *Equivalent periods of unit are used to measure time.	Essential Questions: *How do units within a system relate to each other? *How are various representations of time related?

		*Express time as fractional units (half hour and quarter hour).			

April	Unit 6: Multi Readiness Everyday Math Enrichment Component: Chapter 9	Advanced Skills: I CAN: *Solve problems involving multiplication and division *Identify and explain patterns in arithmetic and multiplication. *Multiply one digit whole numbers by multiples of 10 in the range 10-90 using strategies based on place value.	Assessment: Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	Content: *Flexible methods of computation involve grouping numbers in strategic ways. *Even numbered objects can be modeled using pairs or rectangular arrays. *Rectangles can be composed and decomposed from/into equal sided squares to model repeated addition.	Essential Questions: *What are efficient methods for finding sums and differences using even and odd properties of numbers? *How can repeated addition be represented? *What are some characteristics of whole numbers?
May	Unit 7: Geometry Everyday Math Enrichment Component	Advanced Skills: I CAN: *Understand that shapes in different	Assessment: Pre-assessment will be given to determine level of	Content: *Objects can be described and compared using	Essential Questions: *How can plain and solid shapes be described?

	Chapter 5	categories may share attributes and belong to a larger category. *Recognize and draw examples of more complex quadrilaterals.	knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	geometric attributes.	