Enrichment Math Grade 3 Mrs. Kathy Pisano	Topic Resources	Skills	Assessment	Common Core Standards Content (Understandings)	Essential Question(s)
August-September	Unit 1 Addition and Subtraction Applications within 100 and beyond. Everyday Math Enrichment Component Chapters 1,5	Advanced Skills: I CAN: *Fluently add and subtract multi-digit whole numbers using the standard algorithm. *Solve multi-step problems for perimeter involving more complex polygons and rectangles. Advanced Skills:	Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	*Information can be represented in bar graph and picture graph form. *Elapsed time is the interval of time, given a specific unit, from a starting time to an ending time. *Perimeter and addition are related. *A linear unit is used to measure perimeter.	*How can understanding the relationship between addition and subtraction aid us in problem solving? *How do we use data represented in bar graphs and picture graphs to make sense of the world around us? *How does elapsed time help us to plan and organize real life responsibilities?

	Unit 2: Introduction to Area Everyday Math Enrichment Component Chapters 3,4	I CAN: *Solve multi-step problems for area involving more complex polygons and rectangles.	Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	*Everyday objects have a variety of attributes, each of which can be measured in many ways. *Area and addition are related. *Perimeter and area are related.	Essential Questions: *How can understanding the relationship between addition and area aid in problem solving?
October-November	Unit 3: Multiplication and Division Concepts Everyday Math Enrichment Component Chapters 2,4,7,9	Advanced Skills: I CAN: *Identify and work with factors and multiples. *Multiply and divide multi-digit whole numbers.	Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	*Visual images and numerical patterns of multiplication and division will assist in problem solving. *The Properties of Operations will help in performing computation as well as in problem solving situations.	Essential Questions: *How does modeling multiplication and division problems help in finding solutions? *How can the

		*Multiply fractions by whole numbers.			strategy of breaking apart numbers make multiplication easier to understand? *How can we use multiplication to solve division problems? *How do multiples and factors relate to multiplication and division?
December-January	Unit 4: Multiplication and division applications Everyday Math Enrichment Component: Chapter 7,8	Advanced Skills: I CAN: *Identify and work with factors and multiples. *Multiply and divide multi-digit whole numbers. *Solve multi-step problems.	Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	Content: *Area is additive. *Modeling multiplication and division problems based upon their problem solving structure can help in finding solutions. *There is a relationship between area and multiplication.	Essential Questions: *How can modeling multiplication and division problems help in finding their solutions? *What is the relationship between area and multiplication?

				*Properties of Operations will assist in problem solving situations. *Metric measurement units are related to place value concepts/multiples of 10 and beyond.	*What are the Properties of Operations? *How does metric measurement connect to multiples of 10 and beyond?
February-March	Unit 5: Fractions Everyday Math Enrichment Component Chapters 8,9	Advanced Skills: I CAN: *Identify and work with more fifths, tenths, twelfths, and fractions with unlike denominators.	Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	Content: *The size of the fractional part is relative to the size of the whole *Fractions represent quantities where a whole is divided into equal sized parts using models, manipulatives, words and or number lines. *Fractions can be used as a tool to understanding and modeling quantities and relationships. *Fractions that represent equal sized quantities	Essential Questions: *What do Fractions represent? *What makes a fraction equivalent?

				are equivalent.	
April	Unit 6 : Geometry Everyday Math Enrichment component Chapters 6	Advanced Skills: I CAN: *Connect lines to lines of symmetry in two-dimentional figures. *Identify angles. *Classify shapes by the properties of their angles.	Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	Content: *Objects can be described and compared using geometric attributes. *Figures are categorized according to their attributes.	Essential Questions: *How can two-dimensional shapes be described? *How are geometric figures constructed?
May	Unit 7: Addition and Subtraction within 1000 and beyond. Everyday Math Enrichment component Chapters 1,2,7,9 (Review and enrich)	Advanced Skills: I CAN: *Use place value understanding to round whole numbers to the nearest 10 or 100. *Fluently add and subtract within 1000 using strategies and algorithms based on place value , properties of operations and/or	Pre-assessment will be given to determine level of knowledge. Formative, Summative and Self assessments will also determine knowledge of subject area.	Content: *Rounding is a method of approximating an answer.	Essential Questions: *How is rounding an efficient method of estimating? *Why and when would we round?

		the relationship between addition and subtraction.			