SAVE Math Pacing Guide

Course: Math- HS **Grade: All- HS 9-12**

Months/Days	**UNITS**	**STANDARDS**	**CONTENT** **Topics being covered? What do students need to know? (*nouns*)**	**ASSESSMENTS** **What evidence (formative/summative) is utilized to establish that the content, standards, & skills have been mastered?**
3-4 Weeks September (Instruction is ongoing and supported throughout the school year based on individual needs)	**Basic Operations-Mixed Review**	**(Standards are based off the linkage levels of the DLM essential elements)** MA.K-12.4.8 - [*Standard*] - All students will understand, select, and apply various methods of performing numerical operations. MA.K-12.4.1 - [*Standard*] - All students will develop the ability to pose and solve mathematical problems in mathematics, other disciplines, and everyday experiences. MA.2.OA.A.1 - [*Standard*] - Use addition and subtraction within 100 to solve one- and two-step word problems	*Addition A. up to 7 digits B. Re-grouping C. Word problems *Subtraction A. Up to 7 digits B. Borrowing C. Word Problems *Multiplication A. Single digit B. Word Problems *Division A. Single digit (Level 1)	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology

		involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem **MA.2.OA.A.1** - [*Standard*] - Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem		
2 Weeks- End of September beg of October	**Place Value**	**(Standards are based off the linkage levels of the DLM essential elements)** MA.5.NBT.A - Understand the PLACE VALUE system. MA.4.NBT.A - Generalize	*Understanding and reviewing place value starting with ones on day one and going up to millions column *Write out numbers *Comprehend numbers in written form	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets

		PLACE VALUE understanding for multi-digit whole numbers. MA.2.NBT.A.3 - [*Standard*] - Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.	*Expanded form	● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology
2 weeks- October	**Greater than/ Less Than**	**(Standards are based off the linkage levels of the DLM essential elements)** MA.2.NBT.A.4 - [*Standard*] - Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.	*Comparing Numbers *Utilizing greater than less than symbol *Single digit up to 6 digit numbers. *Utilizing a number line and understanding place value *Word problems	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects

				● Centers ● Teacher observations ● Self/Peer Reflection ● Technology
2 weeks- End of October/Beginning of November	**Skip Counting**	**(Standards are based off the linkage levels of the DLM essential elements)** MA.2.NBT.A.2 - [*Standard*] - Count within 1000; skip-count by 5s, 10s, and 100s.	*Count by 2's *Count by 5's *Count by 10's *Count by 25's *Count by 100's *Count by 1,000's *Creation of number lines *Compare to money	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection

				● Technology
2-3 weeks - November	**Rounding/ Estimating**	**(Standards are based off the linkage levels of the DLM essential elements)** MA.3.NBT.A.1 - [*Standard*] - Use place value understanding to round whole numbers to the nearest 10 or 100.	*Rounding to the nearest 10 *Rounding to the nearest 100 *Rounding to the nearest 1,000 *Rounding Money to nearest dollar *Estimating Numbers *Word Problems *Estimating vs. Rounding	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology
2-3 Weeks- End of Nov through January 1 (Instruction is ongoing and supported	**Money**	**(Standards are based off the linkage levels of the DLM essential elements)**	*Counting Coins (5, 10, 25) *Counting dollars (1, 5, 10, 20, 50, 100)	● Daily participation rubrics ● Exit Tickets

throughout the school year based on individual needs)		MA.2.MD.C.8 - [*Standard*] - Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using $ and ¢ symbols appropriately. MA.K-12.4.6.5 - [*Cumulative Progress Indicator*] - Follow budgets developed based on personal needs. MA.K-12.4.6.4 - [*Cumulative Progress Indicator*] - Use money to make purchases. MA.K-12.4.6.3 - [*Cumulative Progress Indicator*] - Recognize coins and dollars and their value.	*Combining coins and dollars counting *Making Change *Understanding value of money *Utilizing money to make purchases *Estimating and rounding money *Making a budget	● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology
2-3 Weeks-January (Instruction is ongoing and supported throughout the school year based on individual needs)	Time	(Standards are based off the linkage levels of the DLM essential elements) MA.2.MD.C.7 - [*Standard*] - Tell and write time from analog and digital clocks to the nearest five minutes,	*How to read a digital clock *Tell time to the nearest hour *Tell time to the nearest ½ hour. *Tell time to the nearest quarter	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets

		using a.m. and p.m. MA.1.MD.B.3 - [*Standard*] - Tell and write time in hours and half-hours using analog and digital clocks. MA.3.MD.A.1 - [*Standard*] - Tell and write time to the nearest minute and measure time intervals in minutes. Solve word problems involving addition and subtraction of time intervals in minutes, e.g., by representing the problem on a number line diagram.	*Tell time to the nearest 5 minutes *How to read an analog clock *Determine difference between hands on clock *AM vs. PM *Elapsed Time *Word problems including time	● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology
2-3 Weeks- End of January/ Beginning of February	Bowling Scores	MA.K-12.4.1 - [*Standard*] - All students will develop the ability to pose and solve mathematical problems in mathematics, other disciplines, and everyday experiences. MA.K-12.4.5 - [*Standard*] - All students will regularly and routinely use calculators, computers, manipulatives, and other mathematical tools to	*Understand frames-turns and rules *Add 10 frames with no spares or strikes *Add 10 frames including spares (1 bonus) *Add 10 frames including spares and strikes (2 bonus) *Utilizing a calculator to	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in

		enhance mathematical thinking, understanding and power.	help addition math.	students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology
2-3 weeks- Middle to end of February	**Measurement**	(Standards are based off the linkage levels of the DLM essential elements) MA.1.MD.A - Measure lengths indirectly and by iterating length units. MA.1.MD.A.1 - [*Standard*] - Order three objects by length; compare the lengths of two objects indirectly by using a third object. MA.2.MD.A.1 - [*Standard*] - Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.	*Measure the length of objects using nonstandard units *Order numbers from least to greatest *Have basic estimation experience *To estimate and measure the length of an object using standard measurement *To estimate and measure the length of an object using metric measurement *Use academic module vocabulary *Measurement included cross curricular cooking	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection

				• Technology
2-3 weeks- Beginning of March	**Graphing**	(Standards are based off the linkage levels of the DLM essential elements) MA.3.MD.B.3 - [*Standard*] - Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled graphs MA.5.G.A.2 - [*Standard*] - Represent real world and mathematical problems by GRAPHING points in the first quadrant of the coordinate plane, and interpret coordinate values of points in the context of the situation.	*Collect and read data *Create and interpret graphs: A. Picture graphs B. Bar Graphs C. Line Graphs D. Circle Graphs E. Line Graphs *Identify rows and columns	• Daily participation rubrics • Exit Tickets • Guided Practice • Independent Practice Worksheets • Quizzes • Tests (Exams will be given in students' mode of communication) • Projects • Centers • Teacher observations • Self/Peer Reflection • Technology
2 weeks- End of March	**Geometry**	(Standards are based off the linkage levels of the DLM essential elements)	*Recognize and name triangles, rectangles, and circles *Identify and describe	• Daily participation rubrics • Exit Tickets

		MA.2.G.A.1 - [*Standard*] - Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. MA.K.G.A - Identify and describe shapes (squares, circles, triangles, rectangles, hexagons, cubes, cones, cylinders, and spheres). MA.2.G.A.1 - [*Standard*] - Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. MA.4.G.A.1 - [*Standard*] - Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.	shapes *Use a ruler or straightedge to draw a shape *To recognize and draw other shapes *Understanding angles *Draw points, lines, segments *Use academic module vocabulary	● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology

2 weeks- Beginning of April	**Perimeter, Area, Volume**	(Standards are based off the linkage levels of the DLM essential elements) MA.4.MD.A.3 - [*Standard*] - Apply the area and PERIMETER formulas for rectangles in real world and mathematical problems. MA.4.MD.A.3 - [*Standard*] - Apply the area and PERIMETER formulas for rectangles in real world and mathematical problems.	*Learn and understand vocabulary of perimeter and how to add all sides *Learn and understand area and how to determine *Learn and understand volume and how to determine *Compare perimeter, area and volume to real life settings	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology
2 weeks- End of April/ Beginning of May	**Algebra**	(Standards are based off the linkage levels of the DLM essential elements) MA.5.OA.A.1 - [*Standard*] - Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these	*Order of operations *Incorporating variable *Ordered Pairs	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes

		symbols. MA.6.EE.A.2 - [*Standard*] - Write, read, and evaluate expressions in which letters stand for numbers. **MA.6.NS.C.6b** - Understand signs of numbers in ORDERED PAIRS as indicating locations in quadrants of the coordinate plane; recognize that when two ORDERED PAIRS differ only by signs, the locations of the points are related by reflections across one or both axes.		● Tests (Exams will be given in students' mode of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology
2-3 Weeks- End of May/ June	**Review from year to prepare for ESY**	(Standards are based off the linkage levels of the DLM essential elements) *All standards listed above	*Review of all content or specific areas based off of concerned areas or IEP goals. *Students will review skills needed for ESY and to prepare for summer.	● Daily participation rubrics ● Exit Tickets ● Guided Practice ● Independent Practice Worksheets ● Quizzes ● Tests (Exams will be given in students' mode

				of communication) ● Projects ● Centers ● Teacher observations ● Self/Peer Reflection ● Technology