MIDDLETOWN MATH SCOPE & SEQUENCE

Grade: Kindergarten
Quarter: 4

Standards **Key Ideas, Major Understandings, Performance Indicators, Competencies**		**Pacing**	**Resources** **Print, Visual, Technology, Manipulatives**	**Assessment** **Evidence & Scoring Guides**
Number Sense and Operation Strand	**K.N.12** Solve and create addition and subtraction verbal word problems (use counting-based strategies, such as counting on and to ten). **K.N.13** Determine sums and differences by various means.	20	Live Odyssey Link Brainpop Jr. One Hundred " Basic Adding " Basic Subtraction " Counting On Chapter 13 (all pages) Activity T.E.- 154A, 155C, 155G, 156, 160, 164 Chapter 14 (all pages) Activity T.E.-171F, 171N, 172, 176, 180 Addition Brainpop Jr. Basic Subtraction Subtraction Brainpop Jr. Basic Adding " Perimeter	Checklists Math Journals Anecdotal Notes Math Quarterly #6, 7, 8, 9, 10, 11, 12, 13, 14, 15
Geometry Strand Students will apply transformations and symmetry to analyze problem solving situations.	*Transformational Geometry* **K.G.3** Explore vertical and horizontal orientation of objects. **K.G.4** Manipulate two and three dimensional shapes to explore symmetry.	5	** Math Toolkit Chapter 10.5 pgs. 121A-122A Symmetry Use alternate resources Activity T.E.-122 Brainpop Jr. Plane Shapes Chapter 10.3 pgs. 117L-118A Activity T.E.-118 Chapter 10.5 pgs. 121A-122A	Math quarterly #4, 5 Math Quarterly #4, 5
Measurement Strand	**K.M.3** Relate specific times such as morning, noon, afternoon, and evening to activities and absence or presence of daylight.	3	Brainpop Jr. Parts of the Clock Brainpop Jr. Time to the Hour Brainpop Jr. Calendar and Dates Chapter 12.1 pgs. 143D-143G Activity	Math Quarterly# 1, 2, 3

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			T.E.-143F Chapter 12.6 pgs. 149A-150A Activity T.E.-150 Time	
Problem Solving Strand Students will build new mathematical knowledge through problem solving.	**K.PS.1** Explore, examine, and make observations about a social problem or mathematical solution. **K.PS.2** Interpret information correctly, identify the problem, and generate possible solutions.	Ongoing	Chapter 14.5 pgs. 173A-174A Activity T.E.-174, 52	Checklists Math Journals Anecdotal Notes
Students will solve problems that arise in mathematics and in other contexts.	**K.PS.3** Act out or model with manipulatives activities involving mathematical content from literature and/or story telling. **K.PS.4** Formulate problems and solutions from everyday situations (e.g., counting the number of children in the class, using the calendar to teach counting).	Ongoing	* Math Toolkit T.E. flipchart pg- 173 Game- pg- 177, 179 Big Book- pg- 183	Checklists Math Journals Anecdotal Notes
Students will apply and adapt a variety of appropriate strategies to solve problems.	**K.PS.5** Use informal counting strategies to find solutions. **K.PS.6** Experience teacher-directed questioning process to understand problems. **K.PS.7**	Ongoing	Brainpop Jr. Counting On Brainpop Jr. Counting Coins Activity T.E.-50	Checklists Math Journals Anecdotal Notes

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	Compare and discuss ideas for solving a problem with teacher and/or students to justify their thinking. **K.PS.8** Use manipulatives (e.g., tiles, blocks) to model the action in problems. **K.PS.9** Use drawings/pictures to model the action in problems.	Ongoing	Brainpop Jr. Basic Adding Brainpop Jr. Adding and Subtracting Tens Brainpop Jr. Basic Adding	
Students will monitor and reflect on the process of mathematical problem solving.	**K.PS.10** Explain to others how a problem was solved, giving strategies.	Ongoing	T.E. .flipchart game pg- 155B, 157	Checklists Math Journals Anecdotal Notes