Berlin Brothersvalley School District
Berlin High School
Math
1st Grade
2nd Nine Weeks

Big Idea(s)	Concept(s)	Competencies	Essential Questions
Mathematical relationships can be represented as expressions, equations and inequalities in mathematical situations. Mathematical relationships among numbers can be represented, compared, and communicated. Data can be modeled and used to make inferences.	**Students will know…** ● Tally charts and Bar graphs ● Addition and Subtraction ● Number to 100 ● Two digit addition and subtraction	**Students will be able to…** ● Use the data on a tally chart to create a bar graph and ask and answer questions about the bar graph ● Using 3 addends, write a number model and solve number stories ● Compare, write and identify numbers within 100 ● Add and subtract problems with 2 digit numbers	How is mathematics used to quantify, compare, represent, and model numbers? How can expressions, equations and inequalities be used to quantify, solve, model, and/or analyze mathematical situations? How can data be organized and represented to provide insight into the relationship between quantities?

Topics	Approx # of weeks	PA Standards	Assessment Anchors & Eligible Content
Length Comparing lengths Measure length Estimating when measuring length Tally chart Bar Graphs	2 weeks	**CC.2.4.1.A.1** Order lengths and measure them both indirectly and by repeating length units... **CC.2.4.1.A.4** Represent and interpret data using tables/charts.	NA
Topics Add and subtract within 20 Introducing doubles to add and subtract within 20 Combinations of ten to add and subtract within 20 Ten more and ten less with number grid Adding 3 numbers within 20	**Approx # of weeks** 2 weeks	**PA Standards** **CC.2.2.1.A.1** Represent and solve problems involving addition and subtraction within 20 . **CC.2.1.1.B.2** Use place-value concepts to represent amounts of tens and ones and to compare two digit numbers.	**Assessment Anchors & Eligible Content** NA
Topics Greater than less than equal to Comparing numbers Add and subtract to determine if the number sentence is true	**Approx # of weeks** 2 weeks	**PA Standards** **CC.2.1.1.B.3** Use place-value concepts and properties of operations to add and subtract within 100.	**Assessment Anchors & Eligible Content** NA

Topics	Approx # of weeks	PA Standards	Assessment Anchors & Eligible Content
Numbers to 100 Write Count Identify Locate on a number grid Adding and subtracting within 100 Measuring a path with non traditional units Comparison of numbers 2 digit addition and subtraction	3 weeks	**CC.2.1.1.B.3** Use place-value concepts and properties of operations to add and subtract within 100. **CC.2.4.1.A.1** Order lengths and measure them both indirectly and by repeating length units.	NA

Standards Legend: Essential   Important   Supplementary