Essential Questions for Math Modules 1 - 7 Grade 2	
Module 1: Fluency of sums and differences to 20 and Word Problems to 100	• Where and when will addition and subtraction in one- and two-step word problems be used? • How can I fluently add and subtract to 20 using mental strategies? • Why is it important to use place value understanding and properties of operations to add and subtract numbers in my life?
Module2: Addition and subtraction with Length, weight, capacity, and Time Measurements	• What measurement tools should be used to measure and what could be used as a "unit" of measurement if I did not have a standard tool? • When will solving and/or estimating word problems be used in my world? • Why do we need to tell time in our daily lives? • What is the relationship between the size of the unit and the number of units needed to cover a given length? • When is it important to use estimation skills and when should exact measurements in the real world?
Module 3: Place value, counting, and Comparisonof Numbers to 1000	• How does counting numbers to 1000 by ones, 2s, 5s, 10s, and 100s help in our everyday lives? • Why should numbers be represented to 1000 using concrete models, drawings, words, and numbers be used in life? • Why is it important to compare numbers to 1000 in everyday situations?

Module 4: Addition and Subtraction of Numbers to 1000	• How and when should you represent and solve addition and subtraction problems, including word problems, within 1000 in your world? • How are place value and properties of operations to find sums and differences important to everyday life? • How will improving fluency with addition and subtraction within 100 and continue to mentally add/subtract to 20 help in the real world?
Module 5: Preparation for Multiplication and Division Facts	• How can equal groups of objects be displayed in the real world? • How can dividing (partitioning) a set into equal groups be important in everyday life? • When should objects be arranged/displayed in an array in the real world?
Module 6: Comparison, Addition and Subtraction with Length and Money	• How will measurement and estimation length in both customary and metric units be used in the world? • When will addition of lengths be used in the world? • How will solving addition and subtraction problems involving money be important in the everyday life? • When will it be important to represent data given by measurement and money data using graphs in the world? • How will improving fluency with addition and subtraction within 100 and continue to mentally add/subtract to 20 help in the real world?

Module 7: Recognizing Angles, Faces, and Vertices of Shapes, Fractions of shapes	• When is the would the identification, description, and illustrating triangles, quadrilaterals, pentagons, and hexagons used in nature and the world? • When is it important to recognize that equal shares of identical wholes need not have the same shape? • How should division(partitioning) circles and rectangles into two, three, or four equal shares be important in the real world? • Why is it important to recognize and draw shapes having specified attributes, such as a given number of angles or equal faces in the world?

Formative Questions for Math Modules 1 - 7 Grade 2	
Module 1: Fluency of sums and differences to 20 and Word Problems to 100	• How do I add and subtract numbers in one- and two-step word problems? • What strategies do I use to add and subtract to 20? • Why do I have to think about place value when I add and subtract?
Module2: Addition and subtraction with Length, weight, capacity, and Time Measurements	• When will I use measurement tools and how could I measure if I did not have a standard tool? • Where will I have to solve and/or estimate word problems involving addition and subtraction of length? • Where will I be when I have to understand the relationship between the size of the unit and the number of units needed to cover a given length?

	• Name a time that I will estimate measurement and compare it to a time when I have to use exact measurements?
Module 3: Place value, counting, and Comparison f Numbers to 1000	• If I were counting to 1000, when would I count by ones, 2s, 5s, 10s, and 100s? • Draw a picture that would show 1,000. (you may use a key) • When would be a time that it would be important to know the difference between having 500 or 1,000?
Module 4: Addition and Subtraction of Numbers to 1000	• Am I able to represent and solve addition and subtraction problems, including word problems, within 1000? • Am I able to use place value and properties of operations to find sums and differences? • Am I able to improve fluency with addition and subtraction within 100 and continue to mentally add/subtract to 20?
Module 5: Preparation for Multiplication and Division Facts	• Am I make equal groups of objects and count them? • Am I able to divide(partition) a set into equal groups? • Am I able to arrange a group of objects into an array?

Module 6: Comparison, Addition and Subtraction with Length and Money	• Am I able to measure and estimate length in both customary and metric units? • Am I able to add lengths? • Am I able to solve addition and subtraction problems involving money? • Am I able to represent data given by measurement and money data using graphs? • Am I continuing to improve fluency with addition and subtraction?
Module 7: Recognizing Angles, Faces, and Vertices of Shapes, Fractions of shapes	• Am I able to identify, describe, and draw triangles, quadrilaterals, pentagons, and hexagons? • Am I able to recognize that equal shares of identical wholes need not have the same shape? • Am I able to divide(partition) circles and rectangles into two, three, or four equal shares? • Am I able to recognize and draw shapes having specified attributes, such as a given number of angles or equal faces?

COURSE OVERVIEW

District Conneaut_____ Building CLES/CVES_____

Teacher P Varee_____ Grade 2_____

Course of Study Math_____

UNIT OF STUDY/DESCRIPTION	LENGTH OF TIME
Module 1: **Fluency of sums and differences to 20 and Word Problems to 100**	**3** **Weeks**
Module 2: **Addition and subtraction with Length, weight, capacity, and Time Measurements**	**4** **Weeks**
Module 3: **Place value, counting, and Comparison of Numbers to 1000**	**5** **Weeks**

Module 4: **Addition and Subtraction of Numbers to 1000**	**7** **Weeks**
Module 5: **Preparation for Multiplication and Division Facts**	**7** **Weeks**
Module 6: **Comparison, Addition and Subtraction with Length and Money**	**6** **Weeks**

UNIT OF STUDY/DESCRIPTION	LENGTH OF TIME
Module 7: Recognizing Angles, Faces, and Vertices of Shapes, Fractions of shapes	4 Weeks
