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| <b>Course Title:</b> | Numeracy Skills |
| <b>Grade(s):</b>     | 9-12            |

| Course Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| <p>This course is designed for students who qualify to receive special education, attend general education classes, and require additional support in setting up and solving equations and word problems. Remediation and specialized instruction will address needs in the areas of basic math skills, understanding the vocabulary associated with math word problems, graphing, solving equations, and theorems. Targeted strategies and modeling also will be provided with a focus on organization, self-advocacy, time management, test taking, classroom learning, and transition skills.</p> <p>All students in Numeracy Skills class will explore transition goals to prepare for life beyond high school. Special Education teachers, school counselors, and related service faculty provide students and parents with vocational assessments, explore transitional opportunities, and access community resources.</p> |
| Approved Curricular Materials/Textbook(s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <p>IXL</p> <p>Teacher created resources aligned with Algebra 1, Geometry and other math courses</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

| Unit Title                     | Unit Description (Include Unit Objectives)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unit Pacing |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Unit 0: Introduction           | This unit focuses on creating social contracts and expectations, building rapport, baseline math assessments (curriculum based and IXL Diagnostic), reviewing accommodations and individual IEPs with individual students.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 1 Week      |
| Unit 1: Numbers and Operations | This unit builds students' foundational number-sense skills through structured, accessible instruction tailored to diverse learning needs. Students develop a stronger understanding of whole numbers, integers, place value, and basic operations using hands-on tools, visual supports, and step-by-step strategies. Instruction emphasizes practical, real-world applications- such as money, measurement, and everyday problem-solving- while reinforcing accuracy, organization, and mathematical communication. By the end of the unit, students will demonstrate improved confidence and independence in performing addition, subtraction, multiplication, and division and applying these skills to meaningful situations in and outside the classroom. | 4 Weeks     |

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| Unit 2:<br>Fractions/decimals/<br>percents                             | This unit helps students build confidence and proficiency with fractions through structured, hands-on, and visual learning. Students learn how to identify fractions, model them using real-life examples, and recognize equivalent fractions using manipulatives, number lines, and color-coded visuals. Instruction also guides students in converting between fractions, decimals, and percents through step-by-step strategies and repeated practice. Emphasis is placed on practical applications-such as money, measurement, and interpreting data- to support real-world understanding. By the end of the unit, students will demonstrate improved accuracy and independence in identifying fractions, finding equivalents, and converting values across multiple formats.          | 5 Weeks |
| Unit 3: Integers/<br>absolute value                                    | This unit supports students in developing a clear and practical understanding of positive and negative integers through hands-on, visual, and scaffolded instruction. Students explore integers in real-world contexts- such as temperature, elevation, and financial gain/loss-and learn to interpret and compare them using number lines, color-coding, and manipulatives. Instruction also builds understanding of absolute value as distance from zero and introduces strategies for performing the four operations with integers. Through explicit teaching, guided practice, and structured problem-solving routines, students strengthen accuracy, confidence, and independence when working with integer rules and applying them to everyday situations.                           | 6 Weeks |
| Unit 4: Expressions/<br>variables/like-terms/<br>distributive property | This unit introduces students to the essential building blocks of algebra through structured, hands-on, and highly supported instruction. Students learn to identify the parts of an expression- including variables, coefficients, constants, and terms- using color-coding, visual models, and real-world examples. Instruction focuses on building understanding of how to combine like terms and apply the distributive property through step-by-step routines, manipulatives, and guided practice. Emphasis is placed on developing mathematical vocabulary, recognizing patterns, and improving organizational skills to support problem-solving. By the end of the unit, students demonstrate increased confidence and accuracy in analyzing and simplifying algebraic expressions. | 6 Weeks |
| Unit 5: One/Two-step<br>equations                                      | This unit focuses on helping students understand and apply inverse operations to solve one-step and two-step equations. Instruction is highly scaffolded, using visual supports, step-by-step strategies, and real-world examples to make abstract concepts more accessible. Students learn to identify the operation in an equation, apply the inverse operation to isolate the variable, and check their work for accuracy. Emphasis is placed on building problem-solving skills, mathematical reasoning, and confidence, enabling students to approach equations independently and with greater understanding.                                                                                                                                                                         | 6 Weeks |

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| Unit 6: Linear Equations/Graphing | This unit introduces students to the fundamentals of linear equations in a highly supported and structured format. Students learn to interpret and write linear equations, understand formulas, and identify key features such as slope and y-intercept using visual models, graphic organizers, and real-world examples. Instruction emphasizes step-by-step strategies, guided practice, and repeated application to build confidence and accuracy. By the end of the unit, students will be able to analyze, interpret, and represent linear relationships both algebraically and graphically. | 6 Weeks                               |
| Unit 7: Independent Skills        | Applied Independent Skills based upon student needs, IEP Goals and Objectives                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | All Year- integrated into other units |