Center Middle School Course Syllabus

7th Grade Math

Course Description & Overview	Textbook or Curriculum Source	Assessments for Course
7th-grade math is focused on helping students become proficient problem solvers through active engagement and critical thinking. Curriculum and instructional approach: **TEKS Alignment:** The curriculum covers 100% of the Texas Essential Knowledge and Skills (TEKS) for 7th-grade math. **Focus Areas:** The primary areas of focus include: Number and operations, including understanding and applying rational numbers. Proportionality, involving the exploration of relationships and applications in various contexts, including geometry, measurement, statistics, and probability. Expressions, equations, and relationships, including representing linear relationships, solving geometric problems, and solving one-variable equations and inequalities. Measurement and data, which involves using geometric properties and relationships, spatial reasoning, quantifying	Bluebonnet Learning	7th Grade Math STAAR Mid Year Benchmark Curriculum Assessments

attributes, using procedures to solve problems, and using appropriate statistics to analyze data and draw conclusions. **Key skills emphasized:** **Problem Solving:** Students learn to use a problem-solving model that includes analyzing information, formulating strategies, determining solutions, justifying their reasoning, and evaluating the process. **Mathematical Reasoning:** The curriculum encourages students to think critically about math, explore multiple approaches to problems, and persevere through challenges. **Communication:** Students develop strong communication skills by expressing mathematical ideas using symbols, diagrams, graphs, and language in both written and oral forms. **Academic Language Development:** The materials support the development of academic mathematical language through the use of visuals, manipulatives, and embedded teacher guidance for scaffolding vocabulary, syntax, and discourse.		

Course Content by Grading Period	
1st Grading Period	Thinking Proportionally and Applying Proportionality
2nd Grading Period	Finish Applying Proportionality and Reasoning Algebraically
3rd Grading Period	Finish Reasoning Algebraically and Analyzing Populations and Probabilities
4th Grading Period	Constructing and Measuring

Grading Policy

In determining the 9-week average, a minimum of 15 grades from different assignments or components of major projects must be recorded. When calculating a nine- weeks average, NO ONE ASSIGNMENT GRADE MAY COUNT MORE THAN 20% OF THE TOTAL AVERAGE, regardless of the grade category. Some major projects and writing samples may comprise more than one component and each component should be graded separately. In determining the nine-week average, grades will be divided into 2 categories and each category will count a designated percentage to determine student's grade. The 2 categories are; Assessments/Major Grade – Assessments, Performance Assessments, Major Projects/Papers will count TWICE Quizzes/Daily Work- will count one time Semester Average shall be determined by the following: Nine Weeks 1/2 Nine Weeks 1/2