

Merrimack School District
Essential Learning Competencies

School	Merrimack High School
Discipline	Mathematics
Course Title	Applied Math 2, Foundations

Quarter 1

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Basic Operations- Whole Numbers	CCSS Number and Quantity	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Basic Operations Test
Basic Operations- with decimals		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Basic Operations Test
Simplifying Fractions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Fractions, Decimals, and Percents Test
Finding and Converting between percents, fractions, and decimals		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Fractions, Decimals, and Percents Test

Quarter 2

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Statistics- Mean, median, mode, and range	CCSS Number and Quantity CCSS Probability and Statistics	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Statistics Test
Representing Data with Graphs (circle, line, bar, histogram, box & whiskers)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Statistics Test

Interpreting Graphs (circle, line, bar, histogram, box & whiskers)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Statistics Test
Ratios and Proportions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Ratio and Proportions Test

Quarter 3

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Order of Operations	CCSS Number and Quantity CCSS Geometry	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Order of Operations Test
Evaluating Expressions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Order of Operations Test
Area and Perimeter		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Area and Perimeter Test
Circumference and Area		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Area, Perimeter, and Circumference Test

Quarter 4

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
3D Solids-calculations with formulas	CCSS Geometry	Classwork, Homework, Quizzes, Discussion, Observations, Activities	3D Solids Test

Right Triangle Trigonometry		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Trigonometry Test
Graphing-plotting points, slope, slope formula, writing equations of lines		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Graphing and Slope Test
Properties of Quadrilaterals		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Properties of Quadrilaterals Test