## Merrimack School District Essential Learning Competencies

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

Quarter 1

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

Quarter 2

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

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

Quarter 3

Quarter 3			
Essential	Links to the	Formative	Summative
Learning	Rubrics/Standards/Competency	Assessments	Assessments
Competencies			
Order of	CCSS Number and Quantity	Classwork,	Order of
Operations		Homework,	Operations Test
	CCSS Geometry	Quizzes,	
		Discussion,	
		Observations,	
		Activities	
Evaluating		Classwork,	Order of
Expressions		Homework,	Operations Test
_		Quizzes,	
		Discussion,	
		Observations,	
		Activities	
Area and		Classwork,	Area and
Perimeter		Homework,	Perimeter Test
		Quizzes,	
		Discussion,	
		Observations,	
		Activities	
Circumference		Classwork,	Area, Perimeter,
and Area		Homework,	and
		Quizzes,	Circumference
		Discussion,	Test
		Observations,	
		Activities	

Quarter 4

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

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