Merrimack School District
Essential Learning Competencies

School	MHS
Discipline	Mathematics
Course Title	Pre-Algebra

Quarter 1

Essential Learning Competencies	Link to the Standards	Formative Assessments	Summative Assessments
Numbers and Operations	MSD Pre-Algebra Curriculum	Quizzes, classwork, and homework	Numbers and Operations Test
Prime Factorization, LCM and GCF	CCSS Number and Quantity		Numbers and Operations Test
Geometry Basics- naming, angle relationships, parallel line relationships	CCSS Geometry		Geometry Basics Test
Geometry Basics- angle addition, segment addition, triangle angle sum			Geometry Basics Test

Quarter 2

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Graphing Lines – plotting points, finding slope, graphing using intercepts, slope-intercept form,	MSD Pre-Algebra Curriculum CCSS Algebra CCSS Functions	Quizzes, classwork, and homework	Graphing Test
Graphing Lines- writing equations of lines, graphing inequalities			Graphing Test
Solving Equations- one and two step equations			Solving Equations Test
Solving Equations- Multi-step equations			Solving Equations Test

Quarter 3

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Solving Equations with Geometry- Segment addition, angle addition, triangle angle sum	MSD Pre-Algebra Curriculum CCSS Number and Quantity CCSS Geometry	Quizzes, classwork, and homework	Solving Equations with Geometry Test

Solving Equations with Geometry - Evaluating			Solving Equations with Geometry Test
Solving Linear Inequalities-one, two and multi-step			Solving Linear Inequalities Test
Solving Linear Inequalities – Compound Inequalities			Solving Linear Inequalities Test

Quarter 4

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Solving Systems of Equations	MSD Pre-Algebra Curriculum CCSS Algebra CCSS Number and Quantity	Quizzes, classwork, and homework	Solving Systems of Equations Test
Properties of Exponents-Product, Power, and Quotient Rule			Properties of Exponents Test
Properties of Exponents-using the rules together			Property of Exponents Test
Literal Equations			Literal Equations Test