

Merrimack School District
Essential Learning Competencies

School	MHS
Discipline	Mathematics
Course Title	Algebra 2

Quarter 1

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Linear Functions	MSD Algebra 2 Curriculum CCSS Algebra CCSS Functions	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 1 Test
Linear Systems		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 1 Test
Quadratic Functions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 2 Test
Quadratic Relations		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 2 Test

Quarter 2

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Quadratic Equations	MSD Algebra 2 Curriculum CCSS Algebra CCSS Functions CCSS Number and Quantity	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 3 Test
Complex Numbers		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 3 Test

Polynomial Functions (Operations)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 4 Test
Polynomial Equations and Modeling		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 4 Test

Quarter 3

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Probability (Individual Events)	MSD Algebra 2 Curriculum CCSS Algebra CCSS Functions	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 5 Test
Probability (Multiple Events)	CCSS Probability and Statistics CCSS Number and Quantity	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 5 Test
Rational Exponents		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 9 Test
Rational Functions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 9 Test

Quarter 4

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
1. Exponential Functions	MSD Algebra 2 Curriculum CCSS Algebra CCSS Functions	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 6 Test

2. Logarithmic Functions	CCSS Probability and Statistics	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 6 Test
Rational Functions (Graphing)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 7 Test
Rational Functions (Operations)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Chapter 7 Test