

Merrimack School District
Essential Learning Competencies

School	Merrimack High School
Discipline	Mathematics
Course Title	Mathematics for College Planning

Quarter 1

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Functions (Basics)	CCSS Functions CCSS Algebra CCSS Number and Quantity	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Functions (Modeling)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Quadratic Functions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Complex Numbers		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects

Quarter 2

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Quadratic Relations	CCSS Functions CCSS Algebra	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Quadratic Inequalities		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects

Polynomial Functions (Operations)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Polynomial Equations and Modeling		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects

Quarter 3

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Rational Exponents	CCSS Functions CCSS Algebra CCSS Number and Quantity	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Radical Functions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Exponential Functions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Logarithmic Functions		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects

Quarter 4

Essential Learning Competencies	Links to the Rubrics/Standards/Competency	Formative Assessments	Summative Assessments
Sequences and Series (Arithmetic)	CCSS Functions CCSS Algebra	Classwork, Homework, Quizzes, Discussion,	Tests, Projects

	CCSS Number and Quantity	Observations, Activities	
Sequences and Series (Geometric)	CCSS Geometry	Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Trigonometry (Right Triangle)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects
Trigonometry (Unit Circle)		Classwork, Homework, Quizzes, Discussion, Observations, Activities	Tests, Projects