

Merrimack School District
Essential Learning Competencies

School	MHS
Discipline	Math
Course Title	Computer Programming

Quarter 1

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Computer Programming Basics	NHCS Standards	Classwork, Class Discussion	Program 1
Input and Output			Debt, area, and operations programs
Math header			Math Program
Formatting Output			Colorlist, Squares&Cubes, and Receipt programs

Quarter 2

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Conditionals	NHCS Standards	Classwork, Class Discussion	Schedule and Gas Programs
Nesting			Thermostat, MultiConditionNumOrder, and Intersection Programs
While Loops			DecimalConversion Program
Switches			Pythagorean and MarkupMargin Programs

Quarter 3

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
For Loops	NHCS Standards	Classwork, Class Discussion	Prime and Square Programs
Booleans			Prime and Square Programs
Basic Functions			AcsiiConvert, GCFLCM, and Casino Programs
Functions with Arguments			AcsiiConvert, GCFLCM, and Casino Programs

Quarter 4

Essential Learning Competencies	Links to the Standards	Formative Assessments	Summative Assessments
Character Arrays	NHCS Standards	Classwork, Class Discussion	Initials Program
Integer Arrays			MMM Program
Sorting			TestSort Program
2-Dimensional Arrays			Hero Program