Marshall High School
Algebra I
Curriculum Map – Semester 1

	September	October	November	December	January
HSCE	Michigan Merit Curriculum Content Expectations • A1.1.1 • A1.1.2 • A1.2.1 • A2.1.3 • L1.1.1	Michigan Merit Curriculum Content Expectations • L1.1.3 • A1.2.6 • A1.2.3	Michigan Merit Curriculum Content Expectations • A1.2.8 • A2.1.3 • A3.1.2 • A2.1.7	Michigan Merit Curriculum Content Expectations • A3.1.2 • A2.3.1 • A3.1.1	Michigan Merit Curriculum Content Expectations • A3.1.1 • A3.1.4 • S2.1.1
CourseContent	• Evaluate expressions • Apply order of operations • Write expressions • Write equations and inequalities • Use a problem solving plan • Represent functions as rules and tables • Represent functions as graphs • Use integers and rational numbers • Add real numbers • Subtract real numbers	• Multiply real numbers • Apply the distributive property • Divide real numbers • Find square roots and compare real numbers • Solve one-step equations • Solve two-step equations • Solve multi-step equations • Solve equations with variables on both sides • Write ratios and proportions • Solve equations with variables on both sides • Solve percent problems	• Rewrite equations and formulas • Plot points in a coordinate plane • Graph linear equations • Graph using intercepts • Find slope and rate of change	• Graph using slope-intercept form • Model direct variation • Graph linear functions • Write linear equations in slope-intercept form • Use linear equations in slope-intercept form	• Write linear equations in point-slope form • Write linear equations in standard form • Write equations of parallel and perpendicular lines • Fit a line to data

Skills Taught	• Evaluate algebraic expressions and use exponents • Use the order of operations to evaluate expressions • Translate verbal phrases into expressions • Translate verbal sentences into equations or inequalities • Use a problem solving plan to solve problems • Represent functions as rules and tables • Represent functions as graphs • Graph and compare positive and negative numbers • Add positive and negative numbers • Subtract real numbers	• Multiply real numbers • Apply the distributive property • Divide real numbers • Find square roots and compare real numbers • Solve one-step equations using algebra • Solve two-step equations • Solve multi-step equations • Solve equations with variables on both sides • Find ratios, write and solve proportions • Solve equations with variables on both sides • Solve percent problems	• Rewrite equations and formulas • Identify and plot points in a coordinate plane • Graph linear equations in a coordinate plane • Graph a linear equation using intercepts • Find the slope of a line and interpret slope as a rate of change	• Graph linear equations using slope-intercept form • Write and graph direct variation equations • Use function notation • Write equations of lines • Write equations of lines using points on the line	• Write linear equations in point-slope form • Write linear equations in standard form • Write equations of parallel and perpendicular lines • Make scatterplots and write equations to model data
Interventions	• Seminar visits • Classzone.com	• Seminar visits • Classzone.com	• Seminar visits • Classzone.com	• Seminar visits • Classzone.com	• Seminar visits • Classzone.com

Resources Used	• Algebra 1 –pgs.2-86 • Classzone.com	• Algebra 1 – pgs.87 – 183 • Classzone.com	• Algebra 1 – pgs. 184 – 242 • Classzone.com	• Algebra 1 – pgs. 243 – 299 • Classzone.com	• Algebra 1 – pgs. 300 – 331 • Classzone.com
Assessment	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests

Integrated Curriculum	• LA • MA • SC • SS • CP	• LA • MA • SC • SS • CP	• LA • MA • SC • SS • CP	• LA • MA • SC • SS • CP	• LA • MA • SC • SS • CP

Marshall High School
Algebra 1
Curriculum Map – Semester 2

	February	March	April	May	June

HSCE	Michigan Merit Curriculum Content Expectations • L1.2.4 • A1.2.3 • A1.2.1	Michigan Merit Curriculum Content Expectations • A1.2.4 • A1.2.3	Michigan Merit Curriculum Content Expectations • A1.2.3 • A1.1.2 • L2.1.2	Michigan Merit Curriculum Content Expectations • L1.1.3 • A1.2.1 • A1.1.3	Michigan Merit Curriculum Content Expectations • A1.1.3
Course Content	• Predict with Linear Models • Solve Inequalities using addition and subtraction • Solve Inequalities using multiplication and division • Solve Multi-Step Inequalities • Solve Compound Inequalities	• Solve absolute value equations • Solve absolute value inequalities • Graph Linear Inequalities in two variables • Solve Linear Systems by Graphing • Solve Linear Systems by Substitution • Solve Linear Systems by Adding and Subtracting • Solve Linear Systems by Multiplying First	• Solve Special Types of Linear Systems • Solve Systems of Linear Inequalities • Apply Exponent Properties Involving Products • Apply Exponent Properties Involving Quotients • Define and Use Zero and Negative Exponents • Use Scientific Notation	• Add and Subtract Polynomials • Multiply Polynomials • Find Special Products of Polynomials • Solve Polynomial Equations in Factored Form • Factor $x^2 + bx + c$ • Factor $ax^2 + bx + c$ • Factor Special Products	• Factor Polynomials Completely • Final Exam/Review

Skills Taught	• Make predictions using best-fitting lines • Solve inequalities using addition and subtraction • Solve Inequalities using multiplication and division • Solve Multi-Step Inequalities • Solve Compound Inequalities	• Solve absolute value equations • Solve absolute value inequalities • Graph linear inequalities in two variables • Graph and solve systems of linear equations • Solve systems of linear equations by substitution • Solve Linear Systems using Elimination • Solve Linear Systems by Multiplying First	• Identify the number of solutions of a linear system • Solve systems of linear inequalities in two variables • Use properties of exponents involving products • Use properties of exponents involving quotients • Use zero and negative exponents • Read and write numbers in scientific notation	• Add and Subtract Polynomials • Multiply Polynomials • Use special product patterns to multiply polynomials • Solve polynomial equations • Factor trinomials of the form $x^2 + bx + c$ • Factor trinomials of the form $ax^2 + bx + c$ • Factor Special Products	• Factor polynomials completely • Final Exam/Review
Interventions	• Seminar visits • Classzone.com	• Seminar visits • Classzone.com	• Seminar visits • Classzone.com	• Seminar visits • Classzone.com	• Seminar visits • Classzone.com
Resources Used	• Algebra 1 – pgs. 332 – 389 Classzone.com	• Algebra 1 –pgs.390 – 458 • Classzone.com	• Algebra 1 – pgs.459 – 519 • Classzone.com	• Algebra 1 – pgs. 552 – 605 • Classzone.com	• Algebra 1 – pgs. 606 – 625 • Classzone.com

Assessment	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests	• Daily assignments • Investigating Algebra Activities • Notetaking Guide • Quizzes • Chapter Tests
Integrated Curriculum	• LA • MA • SC • SS • CP	• LA • MA • SC • SS • CP	• LA • MA • SC • SS • CP	• LA • MA • SC • SS • CP	• LA • MA • SC • SS • CP