AMPED on Algebra
9th Grade Math - School

Course Information	
Teacher Contact Info	
D100 Course Core Resource	AMPED on Algebra curriculum materials from Contextual LLC

Rates & Slope	
What will students know and be able to do after learning?	• Define a function • Find and interpret slope in a variety of representations (rate, line, slope formula, application) • Write inequalities in single variables for given situations • Evaluate a function when given an input value and find the input value when given an output • Draw and/or interpret graphs for given situations • Simplify expressions using the order of operations • Write functions in slope-intercept form for a given situation
Student Product Examples	
Supplemental Resources for Instruction	
Illinois Standards included in Unit (Priorities are BOLD)	**F-IF.1, F-IF.2, N-NQ.2, N-NQ.1, F-IF.6, S-ID.C.7, N-NQ.1, A-CED.2, A-CED.4, S-ID.9, S-ID.5, S-ID.6c, A-REI.10, S-ID.3**
State-Mandated Instruction included in this Unit *(if applicable)*	

Linear Graphing	
What will students know and be able to do after learning?	• Write functions in slope-intercept form for a given situation, a graph, a point and slope, or two points • Graph inequalities in a single variable on a number line • Represent data with a scatter plot • Draw a line of best fit and write the equation of that line • Use a line of best fit to make predictions • Identify reasonable domain and range of a function • Graph lines in slope-intercept form • Solve literal equations • Graph lines in standard form
Student Product Examples	
Supplemental Resources for Instruction	
Illinois Standards included in Unit (Priorities are BOLD)	**N-NQ.1, S-ID.2, F-IF.4, F-LE.2, A-REI.10, F-IF.5, F-IF.1, A-SSE.1, A-CED.1, F-LE.5, S-ID.8, F-IF.2, A-CED.4**
State-Mandated Instruction included in this Unit *(if applicable)*	

Expressions & Intro to Equations	
What will students know and be able to do after learning?	• Solving one and two step equations • Write linear functions for a given situation (depreciation) • Identify appropriate domain and range for an application • Write expressions • Graph lines in standard form
Student Product Examples	
Supplemental Resources for Instruction	
Illinois Standards included in Unit	**A.SSE.1, A.APR.1, A.REI.1, A.REI.2, A.REI.3, A.CED.1, A.CED.4, F.BF.1, F.LE.5, F.IF.4, F.IF.5, N.Q.2**

(Priorities are BOLD)	
State-Mandated Instruction included in this Unit *(if applicable)*	

Equations & Inequalities	
What will students know and be able to do after learning?	• Solve multi-step equations • Solve multi-step inequalities • Identify infinite and no solution situations • Write functions to model a situation • Use of fractional exponents
Student Product Examples	
Supplemental Resources for Instruction	
Illinois Standards included in Unit (Priorities are BOLD)	**A.REI.1, A.REI.3, A.SSE.1, A.CED.1, A.CED.4, S.ID.1, S.ID.2, N.Q.3, N.RN.1, F.BF.1, F.LE.5, F.IF.7**
State-Mandated Instruction included in this Unit *(if applicable)*	

Graphing Systems	
What will students know and be able to do after learning?	• Intro to systems • Solve a system of equations by graphing • Graph a linear inequality • Intro to solving systems of equations with substitution • Model business decision making through systems of equations
Student Product Examples	
Supplemental Resources for Instruction	
Illinois Standards	**A.REI.5, A.REI.6, A.REI.10, A.REI.11, A.REI.12**

included in Unit (Priorities are BOLD)	
State-Mandated Instruction included in this Unit *(if applicable)*	

Solving Systems	
What will students know and be able to do after learning?	• Solve linear systems with substitution • Properties of exponents • Solve systems of equations by elimination • Solve systems of equations and inequalities
Student Product Examples	
Supplemental Resources for Instruction	
Illinois Standards included in Unit (Priorities are BOLD)	**A.REI.5, A.REI.6, A.REI.12, A.APR.1, A.CED.2, A.CED.3, F.BF.1, N.Q.2, N.RN.2**
State-Mandated Instruction included in this Unit *(if applicable)*	

Factoring	
What will students know and be able to do after learning?	• Intro to quadratics • Key features of quadratics • Multiply polynomials • Intro parent functions • Factor trinomials • Connecting factoring to graphing quadratics
Student Product Examples	
Supplemental Resources for Instruction	

Illinois Standards included in Unit (Priorities are BOLD)	**A.APR.1, A.SSE.1, A.SSE.3, A.REI.4, A.REI.7, F.IF.4, F.IF.5, F.IF.6, F.IF.7, F.IF.8, F.BF.3, N.RN.3**
State-Mandated Instruction included in this Unit *(if applicable)*	

Quadratics	
What will students know and be able to do after learning?	• Parent graph of quadratic functions • Quadratic formula • Discriminant • Solve equations with radicals • Graph quadratic functions in vertex form • Fit a curve to a quadratic • Convert between standard and vertex form • Operations on functions
Student Product Examples	
Supplemental Resources for Instruction	
Illinois Standards included in Unit (Priorities are BOLD)	**A.SSE.2, A.REI.4, A.CED.1, A.CED.4, F.LE.1, F.IF.2, F.IF.4, F.IF.7, F.IF.8, F.BF.1, F.BF.3**
State-Mandated Instruction included in this Unit *(if applicable)*	

Exponentials	
What will students know and be able to do after learning?	• Introduction to exponentials • Percent change • Exponential functions • Writing exponential functions
Student Product Examples	

Supplemental Resources for Instruction	
Illinois Standards included in Unit (Priorities are BOLD)	**F.IF.3, F.IF.6, F.IF.7, F.IF.9, F.LE.1, F.LE.3, F.LE.5, F.BF.1, F.BF.2**
State-Mandated Instruction included in this Unit *(if applicable)*	

Reassessment Expectations	

BHS 25-26 Grading/Reassessment Policies

Student Grade Calculation: Student grades for all BHS courses will be calculated as follows:

- 80% from major Assessments and 20% from Practice activities.
- No extra credit. No grade reductions for late submissions, behavior (non-rubric reasons)

Grade Updates: To ensure accuracy of current student grades, teachers will do the following:

- Enter grades in a timely manner from when students submit practice work and complete assessments.
- Communicate expected dates for assessment/assignment grading and gradebook entry.

BHS Policy: Practice Activities

1. Practice activities towards a grade include in-class activities and traditional submission-based assignments.
2. Students are expected to submit practice assignments on designated due dates to receive timely feedback.
3. Students may be required to submit a student reflection sheet when missing a practice assignment submission deadline in order to submit it late. Continuously missing deadlines will result in additional interventions.
4. In order to reassess, students must complete all necessary practice assignments as determined by the teacher, prior to the original assessment date.
5. Practice activities are for assessment readiness purposes and are not eligible for revisions or re-dos.

BHS Policy: Assessment Activities

1. **First Attempts:** Unless absent, or extenuating (outside of student's control) circumstances exist, students are expected to submit and/or participate in assessments on designated dates to be eligible for reassessment.

2. **Reassessment:** Students must complete the following steps to reassess: a) additional proof of practice to demonstrate readiness, and b) the reassessment itself, within **5 school days** from the time a score is posted.

- Students may be required to complete a planning form prior to starting the reassessment process.
- **In extenuating circumstances, students may reassess outside of the designated window for full credit.*

BNHS 25-26 Grading/Reassessment Policies

Student Grade Calculation:

PE & Fine Arts	Math, Science	English, World Language, CTE, Social Studies, EL, SPED, Health
0% Practice 100% Assessment	10% Practice 90% Assessment	20% Practice 80% Assessment

Practice Category:

1. Students are expected to turn in practice work on time to obtain timely feedback. However, practice work will be accepted until the assessment is given so students can demonstrate their learning and understanding.
2. Adequate evidence of practice may be required for students to begin certain major assessments.

Reassessment Criteria (Assessment category):

1. Unless extenuating circumstances exist, students are expected to submit and/or participate in assessments on designated dates, in order to be eligible for a reassessment/revision opportunity.
   - Extenuating circumstances are something outside of the student's control that prevents them from accessing educational opportunities.
2. Once an assessment score is posted and/or feedback is given, students have **5 school days,** not to extend past the final day of the semester to complete:
   - Practice assignments that lead up to the original assessment must be completed to reassess.
   - A reflection form or 1:1 conference may be required by the teacher. Example
   - Complete the reassessment.
3. Any valid assessment attempt will receive a score of no lower than 50%.

*** Students with an Extended Time accommodation: Students have 5 school days from the time the original assessment score is posted to complete a reassessment. The extended time accommodation provides students extended time to complete the original assessment. IE: If a student uses their accommodation for extra time and turns in an assessment/project two days after the due date, the student will then have 5 school days from the time their score is posted to reassess.

Grading Information	BNHS building-level grading policies are aligned with the following board-approved documents:

	• D100 Grading Philosophies • D100 High School Grading System Grading is an important component of the student learning process. The purpose of grading is to provide timely feedback on student performance and progress. All courses have priority learning standards that outline criteria for successful performance at the level of the standard. **Student Grade Calculation:** All grade entries are aligned to at least one priority course standard. **"***At least 80% of the evidence included must be from major assessments (at the level of performance described by each standard), with no more than 20% of formative evidence (examples: practice and homework)*" *D100 High School Grading System **Reassessment:** "*Students will be allowed multiple opportunities through various ways/modes to demonstrate their learning. Timely retakes and revisions will be allowed in response to students participating in additional learning."* *D100 Grading Philosophies
Additional Teacher-Specific Info	

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