



Course Title: Algebra IB

Content Area: Mathematics

Grade Level: 9, 10, 11

Scope and Sequence

Grade Level: 9, 10, 11

Course Introduction: Algebra IB is the second of two Algebra 1 courses which are aligned to the Pennsylvania State Keystone Anchors. Topics will build on concepts previously learned in Pre-Algebra.

Units of Study	Standards	Length of Time	Key Content	Assessment Tools	Scaffolding Strategies (Interventions, Special Education)	Resources & Materials
Linear Equations and Inequalities	CC.2.2.HS.D.8 CC.2.2.HS.D.9 CC.2.2.HS.D.5 CC.2.2.HS.D.7 CC.2.2.HS.D.10	9 weeks	- Solving Equations (Review) - Solving Linear Inequalities - Solving Absolute Value Equations and Inequalities	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software
Solving Systems of Equations and Inequalities	CC.2.2.HS.D.10 CC.2.2.HS.D.10	6 weeks	- Solving Systems by Graphing - Solving Systems by Substitution - Solving Systems by Elimination - Applications of Linear Systems - Graphing Systems of Inequalities	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software
Operations with Real Numbers and Expressions	CC.2.2.8.B.1 CC.2.2.HS.D.3 CC.2.2.HS.D.2 CC.2.2.HS.D.1	9 weeks	- Simplifying Expressions (Monomials) - GCF and LCM - Polynomial Expressions - Factoring by GCF, Different of Squares, and Simple Trinomials - Simplifying Rational Expressions	- Teacher created assessments (quizzes/tests) - Blackboard	Students are allowed to retest if needed.	- OneNote - Blackboard - Textbook - Kuta Software

Keystone Review		9 Weeks	<ul style="list-style-type: none">- Keystone related topics- Open-ended Responses- Practice tests	<ul style="list-style-type: none">- Teacher created assessments- Keystone Finish Line	Students are allowed to retest if needed.	<ul style="list-style-type: none">- OneNote- Textbook- Kuta Software- Keystone Finish Line
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