

9th Grade/Algebra

	Unit/Topics	Objective	Standards	Resources/Materials	Assessments/Assignments
Semester 1	Chapter 1: Solving Equations and Inequalities Chapter 2: Linear Equations	-Real numbers -rational numbers -irrational numbers -linear equations -properties of equality to solve linear equations with a variable on both sides -linear equations with one, infinite, many, or no solution Inequalities with one variable -compound inequalities -absolute value equations and inequalities	HSN.RN.B.3 HSA.CED.A.1 HAS.REI.A.1, B.3 HSN.Q.A.2 HSA.CED.A.1 HSA.REI.A.1, B.3 HSN.Q.A.1 HSA.CED.A.1 HSA.CED.A.1, 3 HSA.REI.B.3 HSA.CED.A.1 HSA.CED.A.3 HSA.REI.B.3 HSA.CED.A.1, 4 HAS.CED.A.2 HSS.ID.C.7 HSS.ID.C.7 HSF.LE.A.2 HSA.CED.A.2 HSA.CED.A.3 HSS.ID.C.7 HAS.CED.A.2 HSA.CED.A.2 HSF.IF.C.7.A	Savvas	Savvas: Practice & Problem Solving, Additional Practice, Reteach to Build Understanding, Enrichment, Vocabulary & Literacy, section quizzes, chapter assessments.
Semester 2	Chapter 3: Linear Functions Chapter 4: Solving Systems of Equations by Graphing	-relations and functions -linear functions Transforming linear functions -arithmetic sequences -scatter plots -lines of fit -analyzing lines of fit -solving systems of equations by graphing -solving systems of equations by substitution	HSF.IF.A.1,2,3 HSF.IF.B.5 HSF.BF.B.2,3 HSS.ID.B.6.A,B HSS.ID.C.8,9 HSA.REI.C.5,6 HSA.CED.A.2,3 HSA.REI.D.12	Savvas	Chapter 3,4,5 section quizzes, chapter assessments, literacy and vocabulary, practice and problem solving, additional practice, reteach, enrichment

	Chapter 5: Piecewise Functions	-solving systems of equations by elimination -linear inequalities in two variables -systems of linear equations Absolute Value Function -Piecewise-Defi ned Functions -Step Functions Transformations of Piecewise-Defin ed Functions	HSF.IF.B.4, HSF.IF.B.6, HSF.IF.C.7.B, HSF.IF.C.9, HSF.BF.B.3		Final: Chapter 1-5
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10 th Grade/Geometry					
	Unit/Topics	Objective	Standards	Resources/Materials	Assessments/Assignments
Semester 1	Chapter 1: Foundations of Geometry Chapter 2: Parallel and Perpendicular Lines Chapter 3: Transformations	-Sum of lengths/measures of segments and angles. -Constructing geometric figures -Midpoint formula -Inductive reasoning -Conditional statements -Deductive reasoning -proofs with definitions, postulates, theorems -Indirect reasoning -Parallel lines with transversal -Congruent or supplementary angles Interior/exterior angles -Remote interior angles Parallel/perpendicular lines	HSG.CO.A.1 HSG.CO.D.12 HSG.GPE.B.6 HSG.CO.C.9, 10, 11 HSG.CO.C.9, 10, 11 HSG.CO.C.9, 10, 11 HSG.CO.C.9 HSG.CO.C.9, 10, 11 HSG.CO.A.1/C.9 HSG.CO.C.9, 10/MG.A.3 HSG.CO.C.9, 10 HSG.GPE.B.5	Savvas Curriculum	Chapter 1/2/3 section quizzes and assessments Chapter 1/2/3 Practice & Problem Solving, Additional Practice, Reteach to Build Understanding, Enrichment, Vocabulary & Literacy
Semester 2	Chapter 3: Transformations Chapter 4: Triangle Congruence Chapter 5: Relationships in Triangles Chapter 6: Quadrilaterals	-reflections -translations -rotations -classification of rigid motions -symmetry -congruence -isosceles and equilateral triangles -proving and applying the SAS and SSS congruence criteria	HSG.CO.A.2,4,5 HSG.CO.B.6 HSG.CO.10 HSG.SRT.B.5 A.REI.D.10 F.IF.B.4 MP.1-8 HSG.CO.C.9 HSG.CO.D.12 HAS.REI.B.3 HSG.C.A.3 HSG.GPE.B.F. HSA.REI.C.6 HAS.REI.D.10	Savvas	Chapter 3/4/5/6 section quizzes and assessments Chapter 3/4/5/6 literacy and vocabulary, practice and problem solving, additional practice, reteach, enrichment Final: Chapters 1-5

	and Other Polygons	<ul style="list-style-type: none">-proving and applying the ASA and AAS congruence criteria-congruence in right triangles-congruence in overlapping triangles-perpendicular and angle bisectors-bisectors in triangles-medians and altitudes--inequalities in one triangle-inequalities in two triangles-the polygon angle-sum theorems-kites and trapezoids	HSG.CO.C.10		
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11th/12th Grade/Business Math

Semester 1	Unit/Topic	Objective	Standards	Resources/Materials	Assessments/Assignments
	Chapter 1: Gross Income	-federal taxes - earnings statement	2.1.14 2.1.16 2.3.5	Glencoe: Mathematics with Business Applications	Chapter 1-7 section assignments, reviews, and end-of-chapter assessments
	Chapter 2: Net Income	- net income -state, FIT, medicare, social	2.4.3 2.5.5 2.5.6		
	Chapter 3: Checking Accounts	security taxes -checking account Withdrawals	2.1.1 2.1.2 2.1.5		
	Chapter 4: Savings Accounts	piecework salary commission -graduated commission			
	Chapter 5: Cash Purchases	-mean -Writing checks check registers -bank			
	Chapter 6: Charge Accounts and Credit Cards	statements -reconciling -deposit slip savings account withdrawal slip.			
	Chapter 7: Loans	- simple and -compound interest -compound interest -sales tax -selling price total purchase price unit pricing finding the better buy -coupons and rebates markdown -total purchase price - new balance in a charge account -finance charge previous/unpaid- balance method. -finance charge based on the average-daily balance method			

<p>Semester 2</p>	<p>Chapter 8: Automobile Transportation</p> <p>Chapter 9: Housing Costs</p> <p>Chapter 10: Insurance and Investments</p> <p>Chapter 15: Sales</p> <p>Chapter 12: Personnel</p> <p>Chapter 16: Marketing</p> <p>Chapter 18: Maintenance</p>	<ul style="list-style-type: none"> -purchasing a new automobile -dealer's cost -purchasing a used automobile -automobile insurance -operating and maintaining an automobile -leasing an automobile -renting an automobile -mortgage loans -monthly payment and total interest --closing costs -the monthly payment -real estate taxes --homeowner's insurance -homeowner's insurance premium --other housing costs -health insurance premiums -health insurance benefits -term life insurance -other types of life insurance -certificates of deposit -effective annual yield -stocks -stock dividends -selling stocks -bonds -markup -markup rate -hiring new employees 	<p>MP. 1-5</p>	<p>Glencoe: Mathematics with Business Applications</p>	<p>Chapter 8-10, 12, 15, 16, 18 section assignments, reviews, and chapter assessments.</p> <p>Final: "Dream Life" presentation using Google slides "Real Life" presentation using Google slides</p>
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