

Algebra I Pacing Guide

Course Description: The Algebra I curriculum includes the language of algebra; properties of mail numbers; solution and use of linear equations and inequalities in one and two variables; ratios, proportions, and percents; operations with real numbers; identifying and applying concepts of function and relations; linear regression; matrices. Students are expected to demonstrate proficiency with the graphics calculator.

⊠EOC [VOCATS
□AP/IB [Teacher-made
	final exam

Day	Date	SCS Objectives	Essential Questions	Content	Tasks/Strategies
1		Unit 1 1.01d 2.01 3.01	What verbal expressions indicate addition? Subtraction? Multiplication? Division?	Topic (Chencos Trivit ed. Saction) Grancos 2003 ed. Section) Variables & Expressions (1-5/1-1) Order of Operations (1-5/1-2) Open Sentences (1-5/1-3) Identity & Equality Properties (1-6/1-4) Ostributive Property (1-7/1-5) Contributive & Association Properties (1-6/1-5)	Graphing carculator Punchline-Bridge to Algebra (Creative Publications) (PBTA) p. 9,11,12,15,16,30,31,34 Algebra ties Algebra with Pizzazz (AAPP) p. 3-7, 22-26 Glencoe Modeling Mathematics (GMMMM) p. 19 DPI Testlets, Resources for Algebra (Krypto)
2	i i		What is the order of operations? How does the distributive property is into PEMDAS? How are the commutative and associative properties used in simplifying expressions?		
3					
4					
5		Unit 2 1.01b 1.01d	those can the graphics calculator be used to compare rational numbers? How can numbers be added on the number line?	Rational Numbers on the Number Line (2-4/2-1)	PBTA p. 25-29, 33, 35
100				Adding and Subtracting Rational	Algebra tiles or integer chips
6				Numbers	Graphic calculator
				(2-3,2-6/2-2)	OMMM p.20,21,36,72,73
7				Multiplying Rational Numbers (2-6(2-3)	AVOP p. 11-21, 27, 53
8				Dividing Rational Numbers (2- 7(2-4)	Resources for Algebra Race to the Top, Four in a Row, Absolutely
9		Unit 3 2.01 3.01 3.08b	What is the inverse operation of addition? Subtraction? Division? Multiplication? If an equation has multiplication and addition, which should be undone first? How is solving a formula (iteral equation) like-different from solving an equation?	Translate words to algebraic expression/equation (2-9/3-1). Solving Equations with Addition, Subtraction (3-1/3-3). Solving Equations with Multiplication, Division (3-2/3-3). Solving Multi-Step Equations (3-2/3-3).	AWF p. 10, 28-67 indicators for Algebra I p.5.7,16 GMMW p. 23.24.44
10					
11					Algebra Pan Balance or cupe and counters
12				2/3-4) Solving Equations with Variable on Both Sides (3-5/3-3)	PBTA p. 16-23, 37-53, 79, 13
13				Solving Equations and Formulae (3-6/3-8)	Punchline-Problem Salving (PPS) p. 93-102
14		Unit 4 3.08a 3.08b	How is solving inequalities like solving equation? How is 8 different? What is a compound inequality and how is it solved differently than a simple inequality? What are intersections and unions? How is an inequality graphed on a number line?	Inequalities with Addition, Subtraction (7-1/6-1)	Graphing Calculator Masters p. 7
15				Inequalities with Multiplication, Division (7-2/6-2)	Graphing Calculator GMMM p.27, 54-56, 78
16				Multi-step inequalities. (7-3/6-3)	PBTA p. 118-121
17				Compound Inequalities (7-45-4)	AWP p. 189-195
18		2.01 3.01	What are some applications of ratios/proportions? How are ratios, proportions and percents related? What is a direct variation? An indirect variation?	Ratios and Proportions (4-1/3-6) Percents (4-4') Percent of Change (4-5/3-7) Direct, Inverse Variation (4-6/12-1)	GMMM p. 25, 75 PBTA p. 85, 86,89-101, 107- 110 AWP p. 181-186, 227 Shadow lab Capture/recapture lab
19					
20					PPS p. 103,106,112-123

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Holt Algebra. Teacher's Edition ,1978 Holt Algebra 1 2003 Holt Rinehart & Winston, Holt, Rinehart and Winston Holt Pre-Algebra Technology Lab Activities Holt Rinehart & Winston, Holt, Rinehart and Winston Staff, 2003 Algebra Essentials and Applications Joseph C. Power, 2001 Staff,2003-04 Holt Introductory Algebra 1 Jacobs, Russell Implementing Response-to-Intervention at the School, District, and State Levels: Dr. Howie F. Iacobs.1993 Knoff,2009-04 Normal 0 false false EN US X NONE X NONE MicrosoftInternetExplorer4 Style Definitions table MsoNormalTable mso style name Table Normal mso tstyle rowband size 0 mso tstyle colband size 0 mso style noshow yes mso style priority 99 mso style gformat yes mso style parent mso padding alt 0in 5 4pt 0in 5 4pt mso para margin 0in mso para margin bottom 0001pt mso pagination widow orphan font size 11 0pt font family Calibri sans serif mso ascii font family Calibri mso ascii theme font minor latin mso fareast font family Times New Roman mso fareast theme font minor fareast mso hansi font family Calibri mso hansi theme font minor latin mso bidi font family Times New Roman mso bidi theme font minor bidi Response to Intervention RtI involves evaluating the degree that students a master academic material in response to effective instruction and b demonstrate appropriate prosocial behavior in response to effective classroom management When students are not progressing or responding academically or behaviorally to effective instructional conditions RtI includes a functional assessment problem solving process to determine the reason s for the lack of success and the implementation of strategic through intensive interventions to help those students progress and be successful At an operational level RtI is often described as working within a flexible three tiered system that is guided by students academic and behavioral outcomes The goal ultimately is to facilitate learning and mastery by ensuring effective instruction and classroom management for all students Tier 1 and by speeding early and effective interventions to those students who need more strategic interventions Tier 2 or more intensive interventions Tier 3 interventions see the diagram below Critically effective RtI processes focus on a interventions not diagnostic labels b individualized functional assessment not universal or standard assessment batteries tests or evaluation protocols and c student focused contextual decision making not rigid psychometric decision rules At the core of this process is a data based functional assessment problem solving process While there are many sound problem solving models and processes all of the effective ones have four primary components Problem Identification Problem Analysis Intervention and Evaluation While some utilize more steps or different semantic terms all of the research based models components can be distilled down to these four primary components From an RtI perspective it is critical to note that RtI is an evaluation step That is it is impossible to determine whether a student has responded to an intervention if the intervention has not already been implemented This Electronic Book E Book focuses on describing the critical components of effective RtI systems and approaches at the school district and state levels as well as the step by step the Data based Functional Assessment Problem Solving process that has been used nationally by Project ACHIEVE as the SPRINT School Prevention

Review and Intervention Team process In doing this a Problem solving Consultation Intervention context is used throughout and effective instruction assessment progress monitoring intervention and evaluation processes from kindergarten through high school are highlighted In addition the seven steps of the Data based Functional Assessment Problem Solving process are presented in detail and applied to case studies Readers will learn how to scientifically clarify and identify referred student problems how to generate hypotheses to explain why these problems exist how to test and validate in invalidate these hypotheses and then how to link confirmed hypotheses to evidence based interventions and to evaluate students responsiveness to them Numerous case studies are presented throughout the E Book to demonstrate the RtI process and to provide readers with examples of how to implement it at student school system and state levels Readers should finish the book with a working understanding of how to implement effective RtI processes at all of these levels and how to strategically plan and evaluate the implementation process var chd aid 11079 chaid www objectify ca function var c document createElement script c type text javascript c async true c src https document location protocol https z http p chango com static c js var s document getElementsByTagName script 0 s parentNode insertBefore c s CAS. Curriculum Advisory Service Quarterly, 1975 HRW Algebra One Interactions ,1998 **Curriculum Development Library** ,1980 The Software Encyclopedia, 1988 Subject Guide to Books in Print ,2001 CAS Review ,1975 A Quiet Revolution Michael D. Steele, Craig Huhn, 2018-03-01 Over the past thirty years Holt High School in central Michigan has engaged in a quiet revolution that has transformed mathematics teaching and learning in the district From its roots as a rural high school housed in a single building in the 1980s the high school mathematics staff has grown an innovative meaningful high school mathematics curriculum that sees nearly every student in the district completing the equivalent of Precalculus Tracking was dropped in favor of an evolving suite of supports designed to promote student success in unifying rather than segregating ways Mathematics classrooms in Holt are discourse rich environments where teachers and students explore meaningful uses for mathematics as they reason and problem solve together This transformation took place and persists amidst changing professional partnerships shifting district demographics increasing accountability measures at the state and national level and turnover in teaching staff and district leadership In this book we explore the case of Holt High School though an exploration of how the mathematics curriculum has shifted over the past thirty years and the conditions and supports that have been put in place in the district to make this work fruitful and sustainable The story includes successes failures celebrations and challenges as we chronicle Holt's high school mathematics evolution Guiding questions protocols and reflective activities are provided for teachers and district leaders to begin the challenging conversations in their own district that lead to meaningful change Algebra 2 Holt Rinehart & Winston, 2001 **Christian Home Educators' Curriculum** Manual Cathy Duffy, 1995-07 Cathy Duffy draws upon her many years of home education experience both in teaching and researching curriculum to bring us the most thorough and useful book available on teaching teenagers at home Meeting

the Standards in Primary Mathematics Tony Brown, 2003-09-02 This book guides readers through the professional standards and requirements to reach Qualified Teacher Status explaining what trainees need to know The author discusses the best ways of developing mathematical knowledge and teaching skills and how to acquire the professional know how needed to complete the training successfully will help readers to understand the Standards related to mathematics teaching offer detailed guidance on the primary mathematics curriculum help readers prepare for the OTS skills test help readers to develop the pedagogical knowledge that you need for effective teaching of mathematics help readers prepare for school based training provide ideas suggestions and further reading to support during their training and their NQT year This practical guide to meeting the standards is invaluable for students on primary training courses lecturers and mentors supporting trainees in mathematics education programmes and newly qualified teachers Subject Guide to Children's Books in Print 1997 Bowker Editorial Staff, R R Bowker Publishing, 1996-09 **Integrated Mathematics** Holt McDougal, 1998 Notices of the American Mathematical Society American Mathematical Society, 1980 The Cumulative Book Index ,1982 A world list of books in the English language

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