



Independent School District of Boise City Curriculum Map

Algebra 1 – Part 1 (Semester 1 & 2 of a 4 semester course)

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Scope and Sequence Summary

Math Vocabulary	<i>Ongoing</i>
Intro to Algebra	Sept
Integers, Rational Numbers and Probability	Oct, Nov
Equations	Nov, Dec, Jan
Inequalities	Feb
Relations and Functions	Mar, April
Linear Equations	May

Test Window

Idaho	No Fall
State	ISAT
Achievement	
Test	
Algebra 1 -	End of 1 st
Part 1 EOC	Semester
Algebra 1 -	End of 2 nd
Part 1 EOC	Semester

**SCOPE AND SEQUENCE
ALGEBRA 1-PART 1
2010-2011**

This is a suggested timeline to cover all the topics in the Algebra 1-Part 1 curriculum.

UNIT #	UNIT NAME	TIMELINE	UNIT #	UNIT NAME	TIMELINE
1	Introduction to Algebra CH 1; 1.1-1.6	6 weeks	4	Problem Solving and Inequalities/ Compound Sentences CH 4: 4.1-4.6	4 weeks
2	Integers, Rationals and Probability CH 2: 2.1-2.7	5 weeks	5	Relations and Functions CH 5: 5.1-5.7	5 weeks
3	Solving Equations CH 3: 3.1-3.9	6 weeks	6	Linear Equations CH 6: 6.1-6.8	6 weeks

Algebra 1 – Part 1
(Semester 1 & 2 of a 4 Semester Course)
Materials Needed for Common Final (EOC)

Semester 1

Part I - No Calculator

Part II – Calculator

Part III – Free Response

Semester 2

Part I – Calculator okay

Syllabus => Semester One Alg 1 - Part 1 2010-2011			
Date	Event Sequence	Lecture/Discussion Topics	Suggested Assignments
Aug-23			
Aug-24			
Aug-25	1/2 day for students	Arithmetic Review	p. 724 #1-24 al
Aug-26		Arithmetic Review	
Aug-27		Arithmetic Review	
Aug-30		Arithmetic Review	
Aug-31		Arithmetic Review	
Sep-1		Arithmetic Review	
Sep-2		1.1 Using Variables	#1-17
Sep-3		1.1 Using Variables	#18-38,48-56
Sep-6	Labor Day	No School	
Sep-7		1.2 Order of Operations	#1-28
Sep-8		1.2 Order of Operations	#29-48,51-58
Sep-9		1.2 Order of Operations	#74-96
Sep-10		1.3 Real Numbers	#1-27
Sep-13		1.3 Real Numbers	#28-64
Sep-14		1.3 Real Numbers	#76-90
Sep-15		1.4 Patterns and Functions	#1-6
Sep-16		1.4 Patterns and Functions	#7-12
Sep-17		1.4 Patterns and Functions	#18-33
Sep-20		Flex Day	
Sep-21		1.5 Scatter Plots	#1-7
Sep-22		1.5 Scatter Plots	#8-16
Sep-23		1.5 Scatter Plots	#21-29
Sep-24		1.6 Mean, Median, Mode and Rang	#1-13,20-22
Sep-27		1.6 Mean, Median, Mode and Rang	#14-19,24-28,32-39
Sep-28		CH 1 Review	#1-38
Sep-29		CH 1 Test	
Sep-30		Review Integer operations (+-*)	supplemental wksts
Oct-1		Review Integer operations (+-*)	supplemental wksts
Oct-4		Review Integer operations (+-*)	supplemental wksts
Oct-5		2.1 Adding Rational Numbers	#5-27
Oct-6		2.1 Adding Rational Numbers	#28-37,45-56
Oct-7	State Workshop	State Workshop	No School
Oct-8	State Workshop	State Workshop	No School
Oct-11		2.1 Adding Rational Numbers	#57-64,82-97
Oct-12		2.2 Subtracting Rational Number	#9-28
Oct-13		2.2 Subtracting Rational Number	#29-50,64-72,76-78
Oct-14		2.3 Multiplying and Dividing Rational Number	#1-31
Oct-15		2.3 Multiplying and Dividing Rational Number	#32-72 even
Oct-18		2.3 Multiplying and Dividing Rational Number	#96-114
Oct-19		2.4 The Distributive Property	#15-46
Oct-20		2.4 The Distributive Property	#53-76 odd or ever
Oct-21		2.4 The Distributive Property	#88-112 odd or ever
Oct-22		2.5 Properties of Numbers	#1-16
Oct-25		2.5 Properties of Numbers	#17-43
Oct-26		2.5 Properties of Numbers	#54-75
Oct-27		2.6 Theoretical and Experimental Probabili	#1-14, 29-32
Oct-28		(optional #15-20,39-41	#21-28,33-38,62-76
Oct-29	End of quarter	Flex Day	
Nov-1		2.7 Probability of Compound Event	#1-31
Nov-2		2.7 Probability of Compound Event	#48-36
Nov-3		CH 2 Review	#1-66
Nov-4		CH 2 Test	
Nov-5	No School		

Nov-8		Review Simple Equations	supplemental wksts p. 118 #1-12
Nov-9		Review Simple Equations	supplemental wksts
Nov-10		3.1 Solving Equations	#1-16
Nov-11		3.1 Solving Equations	#17-23,28-43
Nov-12		3.1 Solving Equations	#47-57,69-83
Nov-15		3.2 Multi-step Equations	#1-20
Nov-16		3.2 Multi-step Equations	#21-38
Nov-17		3.2 Multi-step Equations	#39-50,54-55,60-62
Nov-18		3.2 Multi-step Equations	#69-96 odd or even
Nov-19		Flex day	
Nov-22	Thanksgiving Holiday	No School	
Nov-23	Thanksgiving Holiday	No School	
Nov-24	Thanksgiving Holiday	No School	
Nov-25	Thanksgiving Holiday	No School	
Nov-26	Thanksgiving Holiday	No School	
Nov-29		3.3 Equations with Variables on Both Side	#1-12
Nov-30			#17-33
Dec-1		3.4 Ratio and Proportion	#1-45 odd
Dec-2		3.4 Ratio and Proportion	#62-74
Dec-3		3.4 Ratio and Proportion	Conversions wkst (metric, hours, ounces)
Dec-6		3.5 Proportions and Similar Figures	#1-8
Dec-7		3.5 Proportions and Similar Figures	#9-23
Dec-8		3.5 Proportions and Similar Figures	#38-48
Dec-9		3.6 Equations and Problem Solving	#1-8,15
Dec-10		3.6 Equations and Problem Solving	#9-14
Dec-13		3.6 Equations and Problem Solving	#31-42
Dec-14		3.7 Percent of Change	#1-14,30-38
Dec-15		3.7 Percent of Change	#56,60-65 + wkst
Dec-16		Flex Day	
Dec-17	Early Release	Flex Day	
Dec-20	X-mas Holidays	No School	
Dec-21	X-mas Holidays	No School	
Dec-22	X-mas Holidays	No School	
Dec-23	X-mas Holidays	No School	
Dec-24	X-mas Holidays	No School	
Dec-27	X-mas Holidays	No School	
Dec-28	X-mas Holidays	No School	
Dec-29	X-mas Holidays	No School	
Dec-30	X-mas Holidays	No School	
Dec-31	X-mas Holidays	No School	
Jan-3		Ch 3 Review	#1-44
Jan-4		Ch 3 Review	
Jan-5		CH 3 Test	
Jan-6		EOC Review	
Jan-7		EOC Review	
Jan-10		EOC Review	
Jan-11		EOC Review	
Jan-12		EOC Review	
Jan-13		EOC Review	
Jan-14		EOC Review	
Jan-17	MLK, JR Day	No School	
Jan-18		EOC Review	
Jan-19	Semester Test		
Jan-20	Semester Test		
Jan-21	Semester Test		

Syllabus => Semester Two Alg 1 - Part 1 2010-2011			
Date	Event Sequence	Lecture/Discussion Topics	Suggested Assignments
Jan-24	District In-Service Day	No School	
Jan-25		3-8 Finding & Estimating Square Roots	#1-38
Jan-26		(day 2)	#40-48,58-73
Jan-27		3-9 The Pythagorean Theorem	#1-13
Jan-28		(day 2)	#14-21,35-37,62-80odd or even
Jan-31		Ch.3 Review	#51-56,p.194 #34-43
Feb-1		Pythagorean Theorem Quiz	
Feb-2		4-1 Inequalities and Their Graphs	#3-36odd,even,or by 3's
Feb-3		(day 2)	#74-94
Feb-4		4-2 Solving Inequalities Using Add & Subtract	#6-60by 3's
Feb-7		(day 2)	#79-97
Feb-8		4-3 Solving Inequalities Using Mult & Division	#3-30by 3's, 60-75by 3's
Feb-9		(day 2)	#84-106
Feb-10		4-4 Solving Multi-step Inequalities	#1-36odd,even,or by 3's
Feb-11		(day 2)	#46-66by 3's
Feb-14		(day 3)	#85-98
Feb-15		Flex Day	review, catch up, quiz
Feb-16		4-5 Compound Inequalities	#1-16
Feb-17		(day 2)	#18-39by 3's
Feb-18		(day 3)	#56-64
Feb-21	President's Day Holiday	No School	
Feb-22		4-6 Absolute Value Equations and Inequalities	#1-21
Feb-23		(day 2)	#23-36
Feb-24		(day 3)	#37-51,81-98odd or even
Feb-25		Flex Day	review, catch up, quiz
Feb-28		Ch.4 Review	#1-66
Mar-1		(day 2)	continue
Mar-2		Chapter 4 Test	
Mar-3		5-1 Relating Graphs to Events	#1-12
Mar-4		(day 2)	#23-37
Mar-7		5-2 Relations and Functions	#1-16
Mar-8		(day 2)	#21-24,32-35,51-63
Mar-9		5-3 Functions Rules, Tables, and Graph	#1-10
Mar-10		(day 2)	#11-24odd or even
Mar-11		(day 3)	#42-61odd or even
Mar-14		5-4 Writing a Function Rule	#1-6,10-16
Mar-15		(day 2)	#37-52
Mar-16		5-5 Direct Variation	#1-23
Mar-17		(day 2)	#55-73odd or even
Mar-18	5-7 #1-21	Flex Day	review, catch up, quiz
Mar-21	R		
Mar-22	R		
Mar-23	R		
Mar-24	T	Flex Day	review, catch up, quiz
Mar-25	Flex	Flex Day	review, catch up, quiz
Mar-28	Spring Break	No School	
Mar-29	Spring Break	No School	
Mar-30	Spring Break	No School	
Mar-31	Spring Break	No School	
Apr-1	Spring Break	No School	

Apr-4		5-7 Number Patterns	#1-24
Apr-5		(day 2)	#74-103odd or even
Apr-6		Ch.5 Review	#1-57
Apr-7		(day 2)	continue
Apr-8		Chapter 5 Test	
Apr-11		6-1 Rate of Change and Slope	#1-15
Apr-12		(day 2)	#16-32
Apr-13		(day 3)	#72-87
Apr-14		6-2 Slope-Intercept Form	#1-21
Apr-15		(day 2)	#22-39
Apr-18		(day 3)	#41-54
Apr-19		(day 4)	#80-88
Apr-20		6-3 Applying Linear Functions	#1-5
Apr-21		(day 2)	#15-32
Apr-22		Flex Day	review, catch up, quiz
Apr-25		6-4 Standard Form	#1-15 & Graph the odds
Apr-26		(day 2)	#16-26, 36, 37
Apr-27		ISAT/flex	
Apr-28		ISAT/flex	
Apr-29		6-5 Point-Slope Form Use slope intercept form	#11-29
May-2		(day 2)	#10-30 Even
May-3		6-6 Parallel and Perpendicular Lines	#1-24
May-4		(day 2)	#25-40
May-5		(day 3)	#41-46
May-6		Review	
May-9		6-7 Scatter Plots and Equations of Lines	#1-5
May-10			
May-11		Flex Day	review, catch up, quiz
May-12		6-8 Graphing Absolute Value Equations	#1-9
May-13		(day 2)	#10-21
May-16			
May-17		Ch.6 Review	#1-40
May-18			continue
May-19		Chapter 6 Test	
May-20		Flex Day	review, catch up, quiz
May-23		Flex Day	review, catch up, quiz
May-24		Flex Day	review, catch up, quiz
May-25		EOC Review	See Similar Problem List
May-26		EOC Review	See Similar Problem List
May-27		EOC Review	See Similar Problem List
May-30	Memorial Day Holiday	No School	
May-31	EOC Review	EOC Review	Practice Test
Jun-1	Semester Test		
Jun-2	Semester Test		
Jun-3	Semester Test		

Algebra 1 - Part 1 Sem 1

Sem 1 EOC Similar Problems		revised 12/8/09
EOC Question	Similar Problems	
1	p. 12	#1-6
2	p. 12	#1-6
3	p. 13	#29-36 (order of operation with positive/negative integers)
4	p. 12	#7-12 (be able to substitute negative values)
5	p. 12	#7-12
31	p. 60	#17-20
7	p. 75	#84
8	p. 82	#15-17, 21, 22
9	p. 82	#15-19, 26
10	p. 66	#9-12
11	p. 66	#35,36
12	p. 73	#21
13	p. 83	#71-74
14	p. 74	#43-45
15	p. 83	#71-74
16	p. 118	#1-12
26	p. 724	#10 p.110 #21
18	p. 118	#1-12
19	p. 118	#1-12
29	p. 74	#46-50
21	p. 136	#1-8
22	p. 118	#1-12
23	p. 129	#1-9
24	p. 136	#1-8
25	p. 165	#39-41
17	p. 21	#39-41
27	p. 6	#14-25
28	p. 122	#1-10
20	p. 35	#3-7
30	p. 83-84	#71-74, 79, 80 Combining like terms & use Distributive Property
6	p.72	Example 6, p. 74 #48, 49, 52 (Test is in fraction form)
32	p. 96	#4, 29-32
33	p. 6	#13-16
34	p. 118	#1-12
35	p. 82	#15-17
36	p. 129	#16-20
37	p. 146	#16-23
38	p. 171	#1-7
39	p. 118	#1-12
40	p. 118	#3-8
41	p. 122	#1-16 (two step w/ variable in numerator)
42	p. 136	#1-8
43	p. 44	#20-22, p. 45 #36, 37
44	p. 118	#5-12
45	p. 171	#1-12
46	p. 6	#9-16
47	p. 122	#1-12, 27
48	p. 44	#20-22
49	p. 129	#21-29
50	p. 192	#22, 23

Algebra 1 - Part 1 Sem 2

Sem 2 EOC Similar Problems

revised 06/12/09

EOC Question Similar Problems

1	p. 178	# 1-6
2	p. 184	# 1-10
3	p. 184	# 1-10
4	p. 178	# 17-20
5	p. 203	# 19-23
6	p. 203	# 27-32
7	p. 208	# 10,19
8	p. 208	# 10-19
9	p. 215	# 17-25
10	p. 215	# 17-25
11	p. 222	# 1-6
12	p. 222	# 31-36
13	p. 230	# 5-10
14	p. 238	# 23-25
15	p. 238	# 18-20
16	p. 238	# 25-30
17	p. 259	# 5-8
18	p. 272	# 1-3
19	p. 294	# 1-6
20	p. 313	# 10-16
21	p. 313	# 10-16
22	p. 320	# 1-12
23	p. 320	# 1-12
24	p. 320	# 1-12
25	p. 333	# 1-6
26	p. 222	# 20-25
27	p. 333	# 19-22
28	p. 96	# 29-31
29	p. 346	# 1-5
30	p. 346	# 19-24
31	p. 24	Graph Identification
32	p. 320	# 28-31
33	p. 203	# 19-26
34	p. 260	# 32-35
35	p. 222	# 22-27
36	p. 313	# 10-16
37	p. 259	# 1-4
38	p. 184	# 1-12
39	p. 184	# 1-12
40	p. 13	# 29-33
41	p. 136	# 1-8
42	p. 222	# 22-27
43	p. 260	# 21-23
44	p. 260	# 27-30
45	p. 13	# 45-47
46	p. 13	# 24-27
47	p. 146	# 16-23
48	p. 320	# 28-38
49	p. 320	# 28-38
50	p. 320	# 28-38