



Algebra 1

Course Description: [The fundamental purpose of Algebra I is to formalize and extend the mathematics that students learned in the middle grades. Students will deepen and extend understanding of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.]

Attendance: Students are required to be in school every day. Students are responsible for communicating with their teachers to make up missed learning.

Essential Skills: [Skill #1 Create Mathematical Representations Skill #2 Simplify, Solve, & Evaluate Skill #3 Analyze & Interpret.]

Course Expectations: Although not everything is graded, everything is important. In order to demonstrate growth and learning, students will need to:

1. Participate in class activities (take notes, work in a group, complete in class tasks, ask questions) without distractions (cell phones, games, etc.)
2. Use morning time and the teacher to seek help outside of class when needed.
3. Complete all assessments within teacher timelines.
4. Work with classmates to problem solve and hear new ideas.

Grading

Learning (Practice) includes instructional activities in and outside of class and are not used in grade determination.

Skyward Assessment (Grades) may include quizzes, labs, learning checks, tests, speeches, performances, and projects.

Final Grade	
A	100% - 90%
B	80% - 89%
C	70% - 79%
D	60% - 69%
F	0% - 59%

Calculations:

Final Grade Calculation

Cumulative Grade	95%
Final Exam(s)	5%

Central High School Courses:

- Will determine grades based on student performance and growth.
- Will not include practice and behavior in grade determination.
- Will give all students regardless of absence an opportunity to demonstrate learning.
- Will not include extra credit.

Instructional Resources: [Pearson Algebra 1 Text Book and Online Resources, Desmos.com, Kahoot.com, Blooket, khan academy, youtube]

Course Calendar/Pacing:

2022-2023

Algebra 1 Pacing

August '22						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September '22						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

October '22						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November '22						
M	T	W	T	F	S	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

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December '22						
M	T	W	T	F	S	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

January '23						
M	T	W	T	F	S	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

February '23						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March '23						
M	T	W	T	F	S	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

April '23						
M	T	W	T	F	S	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

May '23						
M	T	W	T	F	S	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	1	2	3	4
5	6	7	8	9	10	11

	Topic 1: Solving Equations + Inequalities	10 Blocks
	Topic 2: Linear Equations	7 Blocks
	Topic 3: Linear Functions	9 Blocks
	Topic 4: Systems of Linear Equations + Inequalities	8 Blocks
	Semester Review / Project?	2 Blocks
	Topic 6: Exponents + Exponential Functions (Supplement)	9 Block (1 Block for Properties of Exponents)
	Topic 7: Polynomial and Factoring	9 Blocks
	Topic 8: Quadratic Functions	8 Blocks
	Topic 9: Solving Quadratic Functions	10 Blocks
	Topic 11: Statistics	6.5 Blocks
	Final Review	1 Block
	Semester Testing and Finals	1 Block
	No School	
	PD Day	

- Topic 1: Solving Equations + Inequalities
 - A.CED.A.1
 - A.CED.A.3
 - A.CED.A.4
 - A.REI.A.1
 - A.REI.B.3
 - F.BF.A.1
 - N.Q.A.1
 - N.Q.A.2
 - N.RN.B.3
- Topic 2: Linear Equations
 - A.CED.A.1
 - A.CED.A.2
 - A.CED.A.3
 - A.CED.A.4
 - A.REI.B.3
 - F.BF.A.1
 - F.LE.A.2
 - N.Q.A.2
 - S.ID.C.7
 - S.ID.C.7
- Topic 3: Linear Functions
 - F.BF.A.1
 - F.BF.A.1.A
 - F.BF.A.2
 - F.BF.B.3
 - F.IF.A.1
 - F.IF.A.2
 - F.IF.A.3
 - F.IF.B.5
 - F.IF.C.7
 - F.LE.A.1
 - F.LE.A.2
 - S.ID.B.6
 - S.ID.B.6.A
 - S.ID.B.6.C
 - S.ID.C.7
 - S.ID.C.8
 - S.ID.C.9
- Topic 4: Systems of Linear Equations + Inequalities
 - A.CED.A.2
 - A.CED.A.3
 - A.REI.C.5
 - A.REI.C.6
 - A.REI.D.12

- Topic 6: Exponents + Exponential Functions
 - A.LE.A.1.A
 - A.SSE.A.1.B
 - A.SSE.B.3.C
 - F.BF.A.1
 - F.BF.A.2
 - F.BF.B.3
 - F.IF.A.3
 - F.IF.B.4
 - F.IF.B.5
 - F.IF.B.6
 - F.IF.C.9
 - F.LE.1.A.C
 - F.LE.A.1
 - F.LE.A.2
 - F.LE.B.2
 - N.Q.A.3
 - N.RN.A.1
 - N.RN.A.2
- Topic 7: Polynomial and Factoring
 - A.APR.A.1
 - A.APR.A.2
 - A.CED.A.2
 - A.SSE.A.1
 - A.SSE.A.1.B
 - A.SSE.A.2
 - A.SSE.B.3
 - a.SSE.A.1.A
- Topic 8: Quadratic Functions
 - A.APR.A.1
 - A.CED.A.2
 - A.REI.D.10
 - A.SSE.B.3
 - F.BF.A.1.A
 - F.BF.B.3
 - F.IF.7.A
 - F.IF.A.2
 - F.IF.B.4
 - F.IF.B.6
 - F.IF.C.7
 - F.IF.C.8
 - F.IF.C.9
 - F.LE.A.3
 - S.ID.B.6.A
 - S.ID.B.6.B
- Topic 9: Solving Quadratic Functions
 - A.APR.B.3
 - A.CED.A.1
 - A.CED.A.2
 - A.CED.A.3
 - A.REI.B.3
 - A.REI.B.4
 - A.REI.B.4.A
 - A.REI.B.4.B
 - A.REI.D.11
 - A.SSE.A.1
 - A.SSE.A.2
 - A.SSE.B.3
 - A.SSE.B.3.A
 - A.SSE.B.4
 - F.BF.A.1
 - F.IF.C.7.C
 - F.IF.C.8
 - F.IF.C.8.A
 - N.Q.A.3
 - N.RN.A.2
- Topic 11: Statistics
 - A.REI.D.10
 - F.IF.B.4
 - S.ID.A.1
 - S.ID.A.2
 - S.ID.A.3
 - S.ID.B.6