Mr. Moran Algebra 1a Syllabus
2021-2022

Course Title: Algebra 1a
Department: Mathematics
Teacher Contact Information: Chris Moran, cmorashs@buusd.org (he/him/his)
Department Chair Contact Information: Erin Carter, ecartshs@buusd.org

Course Description:
In this course, students examine such topics as proportions, direct and inverse variation, linear equations, systems of equations, and inequalities. The examination of the topics is embedded in real-life situations and applications, and includes investigations where students construct their own understanding of the mathematical concepts. Algebra students will be expected to follow directions and be disciplined to read, listen and think on their own. To be successful, the student must complete daily assignments and be able to work independently.

Topics/Areas of Study/Units of Study (indicators):

Unit 1: 1 Variable Data (Indicators **F1P**, **F2P**, F5E, and F6E)
Unit 2: 2 Variable Data (Indicators **G1P** and **G2P**)
Unit 3: Linear Patterns (Indicators **C1P** and **D1P**)
Unit 4: Solving Linear Equations (Indicators **A1P**, **B1P**, B7E, B8E, **D2P**, **G3P**, and G6E)
Unit 5: Systems of Equations (Indicators **B2P**, **C2P,** and C7E)
Unit 6: Inequalities (Indicators **A2P**, A7E, A8E, **B3P**, **C3P**, C8E, C9E, G7E)

Note: all **bold** indicators are required proficient indicators to pass the course. All unbolded indicators are exemplary and above and beyond.

Materials/Text(s):

Chromebooks
Graphing Calculator: TI-83 Plus or TI-84 (do not wait or put this off, if you get a different graphing calculator, you might need to figure out how to use it on your own)
3-Ring Binder (1½ - 2")
Pencils/erasers, Loose-leaf lined and Graph Paper, Multi-colored pen (and/or colored pencils)
Ruler (in/cm)
Composition Book: plain, graph, or lined. (we can provide basic comp books, buy your own if want a special one)
Students *may* sign out a textbook by request. The replacement cost $65. Ask!
ALL of these materials should be available during all class sessions, remote or in person.

Students **must** sign up for the Google Classroom for this class. The class code is **znm3tnc**
To be entered at **https://classroom.google.com** or in your app. Make sure notifications are turned **ON**.

Practice:
The practice will be done in-class and on your own. Assignments will be posted in Google Classroom. **DO NOT FALL BEHIND.** There are assignments nearly every day.

Assessment/Reassessment:
Each unit has a formative assessment.
Reassessments will require additional practice and preparation. Students will be assigned those, but are responsible for keeping track of it themselves. They will have explicit instructions.

At the end of the semester there is a call back period for recovering missing indicators. Expect that you must have **3 or fewer** required indicators remaining and have shown up to expected PAS days in order to be invited to call back sessions/day.

Progress Reports are released every 3 weeks. Students will be marked below or lower if they are missing required indicators and do not have reassessment plans (if possible) in place by that date.

Safety protocols (these may change over the course of the year):

- When mandated by the school, masks **must** be worn at all times covering both mouth **and** nose.
    - You may remove momentarily to sip water or have a snack.
    - Failure to comply will result in being sent to the office.
- Don't leave any possessions in classrooms.
- One person to the bathroom at a time: sign out/in, take a pass.

Expectations:

- Be on time for class
- Be Respectful. Not being respectful will result in a warning. If it continues, then a write up will follow.
- Bring your chromebook to class. We will be using it to supplement learning, but they should be put away unless otherwise requested.
- Cell phones are to remain either out of sight or in the back of the room in the "CELL PHONE Condominium". If there is ever a time for cell phone use in class, I'll let you know. NO earbuds/headphones and smart watches must be removed for assessments. Smart watch distractions can also result in requests for putting them out of sight.
- If you are going to be absent from class I expect you to go to the google classroom to get the notes and the homework assignment. Please contact me if you're confused about the material.
- Join the Google Classroom, class code: **znm3tnc**
- Keep Google Classroom notifications turned **ON** and regularly check your email
- Every student is expected to make mistakes, but to succeed, students must learn from them.
- DO every assignment even though regular homework assignments are **not graded**.
- Students are expected to work with peers and teachers within the class respectfully and productively.
- If you find you're struggling with the content, I expect you to reach out to me so I can either arrange a time for us to talk or arrange some tutorial times for you in **Tide Pool with Mr. Willis.**
- Cheating could result in inability to earn Exemplary in the class. **Using "math apps" is cheating.**

Math tutorial schedule (additional times/locations for getting extra help):

Mon	Tues	Wednesday	Thurs	Fri
AM: 7:05-7:35 Moore - 200	AM: 7:05-7:35 Moore - 200	AM: 7:05-7:35 Moore - 200	AM: 7:05-7:35 Moore - 200	AM: 7:05-7:35 Moore - 200
PM: 3:05-3:35 Tide Pool	None - *Faculty Meetings*	PM: 3:05-3:35 Tide Pool	PM: 3:05-3:35 Tide Pool	PM: 3:05-3:35 Tide Pool

List of Assessed Course Standards: See the attached Standards Checklist

This is a living document and changes may be made as needed.

Algebra 1a Standards Checklist 21-22

Standards	Code	Performance Indicators	Proficiency	Unit
A. Creating Equations and Inequalities	**1P**	Create equations for linear relationships		**4**
	2P	Create inequalities in one variable		**6**
	7E	Create linear equations in point slope, intercept and standard form **and** recognize the most efficient form given the context		**4**
	8E	Create inequalities in 1 or 2 variables		**6**
B. Solving Equations/ Inequalities	1P	Solve 1-variable linear equations, with at least 2 steps, and justify your reasoning		**4**
	2P	Correctly solve a system of 2 linear equations using an algebraic method		**5**
	3P	Solve 1-variable linear inequalities including negative coefficients, and justify your reasoning		**6**
	7E	Solve 1-variable linear equations with multiple distributions, fractions, and negative numbers		**4**
	8E	Solve multivariable equations for any single variable in any form (Literal Equations) with at least 3 steps.		**4**
C. Graphing	1P	Graph and describe Linear functions in terms of their features including intercepts, maximums, minimums, increasing/decreasing		**3**
	2P	Solve linear systems by graphing		**5**
	3P	Graph one variable and two variable linear inequalities		**6**
	7E	Graph and label linear functions in any form		**5**
	9E	Define feasible regions for a system of inequalities		**6**
D. Multiple Representations	1P	Write linear sequences both recursively and with an explicit formula, use them to model situations, and translate between the two forms		**3**
	2P	Convert between Point-Slope and Intercept Form		**4**
F. Statistics	1P	Represent a data set with 3 or more models using appropriate units and scales		**1**
	2P	Compare 2 or more data sets using measures of center, spread, and 5-number summaries, to make reasonable observations.		**1**
	5E	Choose an appropriate model for a data set(s) and justify why		**1**
	6E	Use IQR and outliers when comparing data sets		**1**
G. Modeling	1P	Identify a function from a graph or table, with explanation, and create examples of relations and functions		**2**
	2P	Define the elements and boundaries of a relationship's domain and range		**2**
	3P	Fit a linear function to a scatter plot and derive an equation to make predictions		**4**
	6E	Explain why the line of fit is appropriate		**4**
	7E	Linear programming		**6**

In order to receive credit for Algebra 1a, students must be proficient in all 6 standards.

Indicators that include a P are all required for Proficiency in that standard.

Indicators that include an E are only required for Exemplary in that standard.

Course Performance Outline

COURSE RATING	GPA Value	GRADING CRITERIA
Exemplary	4.0	• **Majority** of standards are Exemplary. • **No** standards are Developing, Beginning, or No Evidence.
Partially Exemplary	3.5	• **Majority** of standards are Proficient with at least one Exemplary. • **No** standards are Developing, Beginning, or No Evidence.
Proficient	3.0	• **All required** standards/indicators are Exemplary or Proficient. • **Majority** of standards are Exemplary and/or Proficient. • **No** standards are Beginning or No Evidence • (bottom line: 4/6 standards (A, B, C, D, F, G) are Proficient or better and none are below developing)
Partially Proficient		**There is no "Partially Proficient" in this course.**
Developing	2.0	• **Majority** of standards are Exemplary and/ or Proficient, but at least one No Evidence. OR • **Majority** of standards are Developing or lower
Beginning	1.0	• **Majority** of standards are Beginning or lower.
No Evidence	0.0	• **Majority** of the standards are No Evidence.
Incomplete		**Incompletes require special circumstances. They involve having time after the semester to recover indicators. You are still limited in how many indicators you may work toward recovery. This is not a case where you just ran out of time to reassess, but must have documented and legit special circumstances and math department approval. DO NOT rely on getting an incomplete.**