Independent Study Math
Welcome to Independent Study Math!! This syllabus outlines the Independent Study Math course for the 2026-2027 school year. Course policies, expectations, and topics will be outlined in this document. I am looking forward to a great year!

Contact Information	
Teacher:	Albert Kamego
Email:	akamego@gmail.com
Phone:	(940) 497-4031
Conference Time:	6th period 12:35 pm - 1:20 pm

Materials	Late Work
Spiral Notebook pen pencil	We will follow Lake Dallas ISD's late work policy.

Grades	Technology and Electronic Devices
Major: 40% Exams and Projects **Minor: 60%** Assignments, Exit Tickets, Checkpoints, Other Daily Work	Phones and other electronics should be turned off and kept in their bags. Phones and electronic devices are not allowed to be used in class. Students who do not follow the policy will be subject to disciplinary action as outlined by Lake Dallas ISD.

Course Overview

Unit 1: Linear Equations

- **Learning objectives:** Basic Linear Equations, Canceling the Denominator, Mixture Problems, y=mx+b, Complex Numbers, Inequalities, Absolute Value Problems
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 2: Quadratic Equations

- **Learning objectives:** Solve Quadratics by Factoring-Completing the Square-Quadratic Formula, Apple Quadratic Problems, Circles, Polynomial Inequalities
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 3: Polynomials

- **Learning objectives:** Polynomial Inequalities, Standard Form of a Quadratic, Synthetic Division, Rational Zeros Theorem, Graph Quadratics-Polynomials-Rational Functions
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 4: Exponentials and Logarithms

- **Learning objectives:**Graph Exp&Log Problems, Solve Exp&Log Equations, Population Growth, Radioactive Decay
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Ticket

Unit 5: Systems

- **Learning objectives:** Substitution and Elimination on 2x2 and 3x3 systems, Systems with a Free Variable, Non-Linear Systems
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets
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Unit 6: Matricies

- **Learning objectives:** Matrix Addition-Subtraction-Multiplication, 2x2 and 3x3 Determinants, Cramer's Rule, Minors and Cofactors, 4x4 Determinant
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 7: Sequences and Series

- **Learning objectives:** Evaluate first terms of a Sequence, Recursive Sequences, Evaluate Series
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets

Unit 8: Miscellaneous Problems

- **Learning objectives:** Solve Miscellaneous College Algebra Level Problems
- **Activities:** Assignments, Exams, Projects, Class Discussion, Exit Tickets