

# Algebra 1 AB

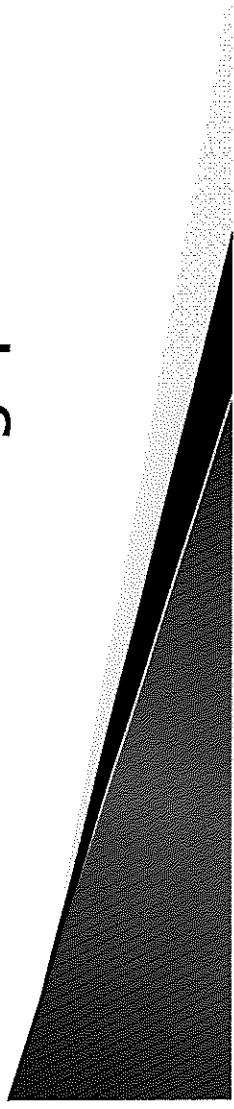
Algebra 1 Steering Committee

Supported by Brandi Patterson  
HS School Support Administrator



# Why Algebra 1 AB

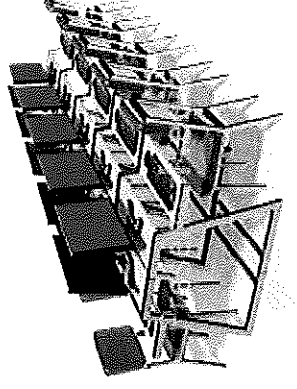
- ▶ Low Algebra 1 passage rates for first time takers (data)
- ▶ Significant repeats of Algebra 1 (10<sup>th</sup>–11<sup>th</sup>)
- ▶ Middle School Algebra 1 not prepared for Advanced High School Math.
- ▶ Options for differentiating pace and deepening the mastery of Algebra 1 in preparation for higher courses
- ▶ Options for filling and supporting the foundational gaps



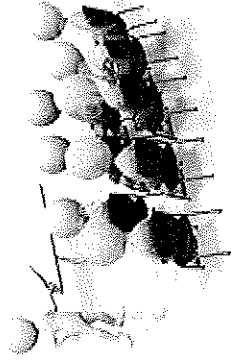
# What is Algebra 1 AB

---

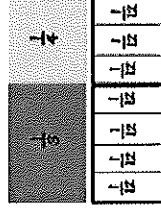
- ▶ Blended Learning
- ▶ Individualized Learning
- ▶ Modeling / Performance Tasks
- ▶ More Time on Content (2 years)
  - Same Content & Rigor
- ▶ Support for Foundational Skills



ALEKS

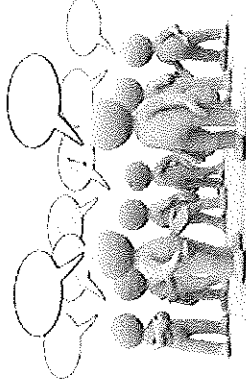


Strategic Unit Planning



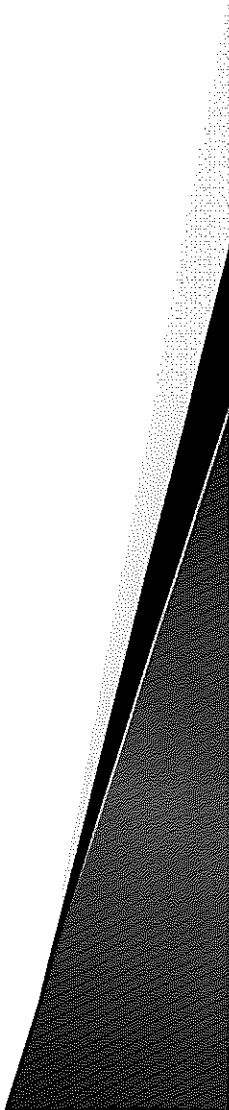
Modelic can be used to add fractions with different denominators by placing fraction strips having the same denominator (common denominator) below the given fractions.

$$\frac{1}{3} + \frac{1}{4} = \frac{4}{12} + \frac{3}{12} = \frac{7}{12}$$



Academic Discussion

Modeling & PT

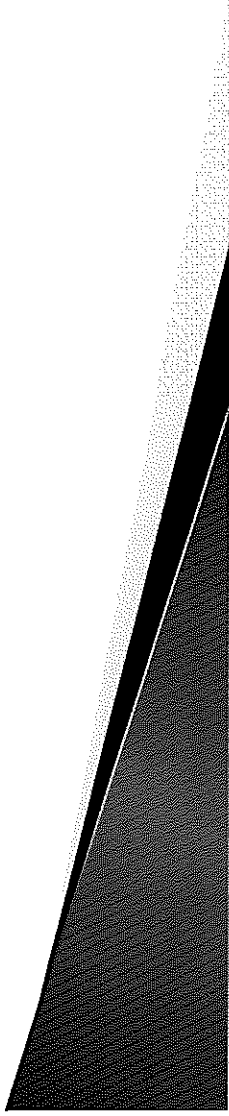


# HS Math Placement Process

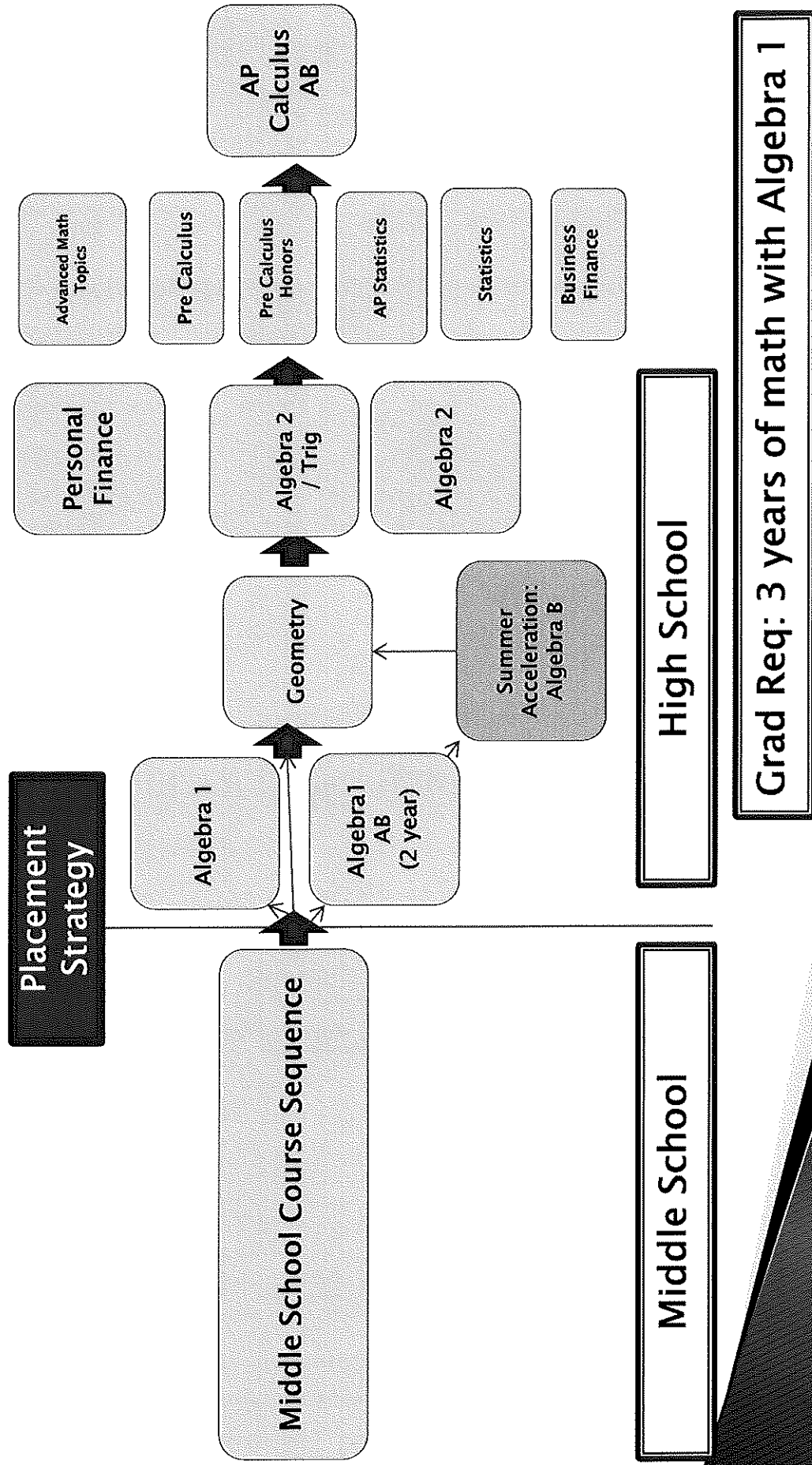
- ▶ SB 359
  - ▶ Numeracy & Algebra Readiness Skills
  - ▶ Pathways for acceleration & support
    - Blended Learning (ALEKS)
    - Acceleration Pathways
- 
- ▶ Class Grades
  - ▶ I-Ready (3<sup>rd</sup> Assessment)
  - ▶ UC Berkeley – Math Diagnostic Testing Project
  - ▶ MDUSD Numeracy Skills Test
  - ▶ 7<sup>th</sup> Grade SBAC
- 
- ▶ SBAC Proficiency Math 8 = Algebra 1 placement

# Algebra 1 AB Structures

- ▶ Grading Strategy
  - Leveled Grading – Success for All
- ▶ Spiraled Unit Assessment
- ▶ Performance Tasks (3 per unit)
- ▶ Thoughtful Curriculum Guide
- ▶ Professional Development:
  - New Textbook
  - ALEKS
  - Performance Tasks
  - Grading Calibration



# Pathways & Acceleration



# Communication

---

- ❑ Transparency of placement to middle school & high schools.
- ❑ Opportunity for teachers to discuss borderline students.
- ❑ Central letter to all parents informing of placement based on criteria inclusive of pathway and acceleration options.

