



**6th - 8th Grade
Mathematics Pathway
Santee → GUHSD**



Santee Mathematics Program

- ◆ **College Preparatory Mathematics (CPM)** - District Adopted Curriculum for 6th-8th grade
- ◆ **CPM** core beliefs:
 - ◆ Students engage in **problem-based** lessons structured around a **core idea**
 - ◆ Practice with **concepts and procedures** are **spaced over time**
 - ◆ Students interact in **groups** to foster **mathematical conversations** facilitated by the teacher



3

Santee Mathematics Program

CPM balances:

- ◆ procedural fluency
- ◆ deep conceptual understanding
- ◆ reasoning, application and extension

GUHSD Mathematics

A Smooth Transition

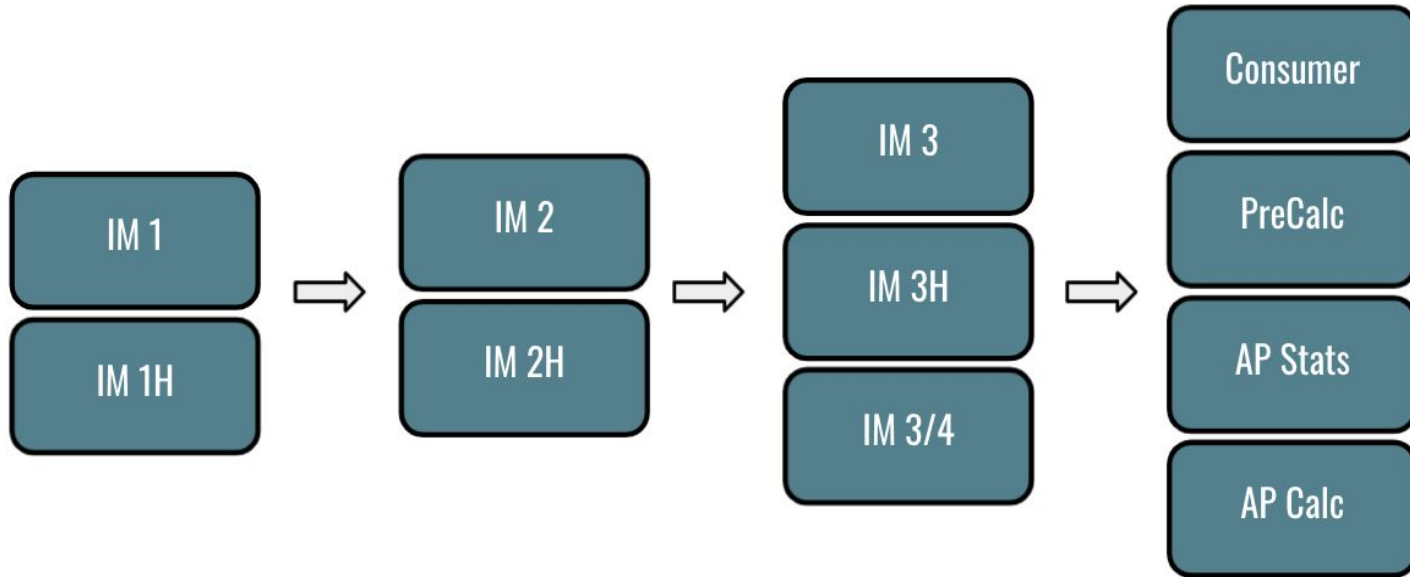




GUHSD Mathematics

- Program aims grounded in the professional literature
 - *Conceptual understanding, procedural fluency, problem solving, and productive disposition* (National Research Council)
 - *Expand professional opportunity, experience joy and wonder, and understand and critique the world* (National Council of Teachers of Mathematics)
- CPM Integrated Series is the board approved textbook for Integrated Mathematics 1-3
- Vision for classrooms is grounded in research-based “effective mathematics teaching practices” (NCTM, 2015)

Current GUHSD Mathematics Pathways

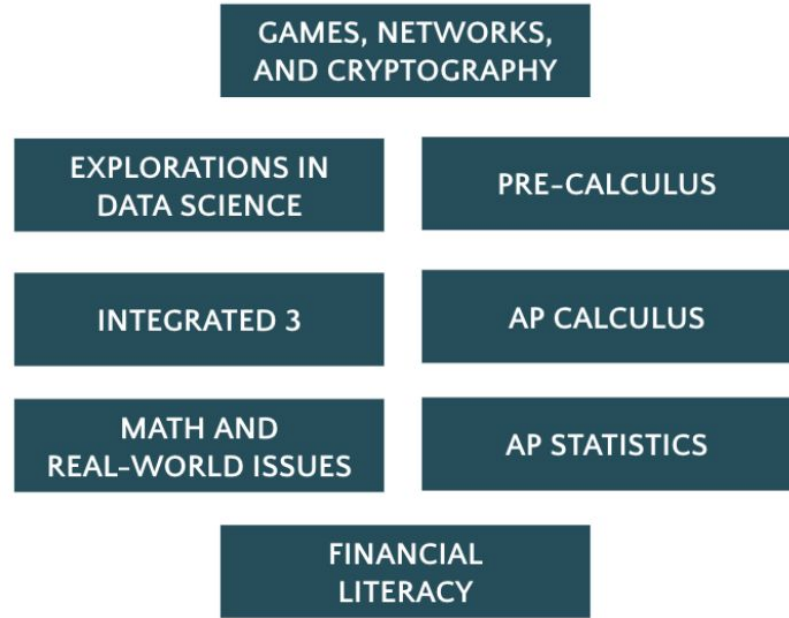


A ROUGH Draft of a POSSIBLE Future

INTEGRATED 1
(College Prep or Honors)

INTEGRATED 2
(College Prep or Honors)

TWO-YEAR COMMON PATHWAY
Essential Concepts



THIRD and/or FOURTH YEAR COURSES
Non-Sequential, No Prerequisites (except AP CALC)



Further GUHSD Pathways Information

- School sites have discretion regarding which third/fourth year courses they offer (from those listed).
- School sites have discretion regarding whether honors is embedded or standalone (at this point; may change).
- All third/fourth year courses will be UC approved for mathematics.
- No third/fourth year course (except AP Calculus) will have a prerequisite beyond Integrated 2 (the prerequisite course for AP Calculus will continue to be Integrated 3).
- If UC approved, GUHSD may also offer “Mathematics in the Trades” as an additional third/fourth year course.

YEAR	COURSES ADDED	COURSES REMOVED
2022-23	<ul style="list-style-type: none"> - Financial Literacy is available for school sites to implement - Games, Networks, and Cryptography begins a small pilot phase 	<ul style="list-style-type: none"> - Consumer Math is no longer offered - Intermediate Algebra is no longer offered - Algebra 3 is no longer offered
2023-24	<ul style="list-style-type: none"> - Games, Networks, and Cryptography is available for school sites to implement - Explorations in Data Science begins a small pilot phase 	
2024-25	<ul style="list-style-type: none"> - Explorations in Data Science is available for sites to implement - Math and Real-World Issues begins a small pilot phase 	<ul style="list-style-type: none"> - College Prep Statistics is no longer available
2024-25	<ul style="list-style-type: none"> - Math and Real-World Issues is available for sites to implement - Math in the Trades (if approved) begins a small pilot phase 	



GUHSD Math Pathways Plan

**All changes are tentative, pending approval of the plan
(likely February 2022)**