



to Ms. Sangha's Class
Room 18

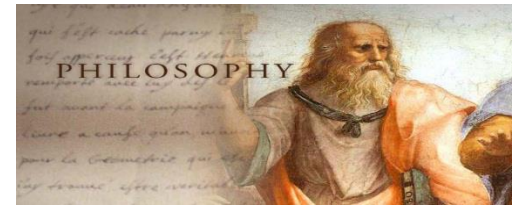
ASD
INTEGRATED
MATH 1

INTRODUCTION



- ▶ Kamaljit Kaur Sangha
- ▶ *28th year teaching at Price Middle*
- ▶ Teaching experience in math 6, math 7, algebra, geometry, and support classes
- ▶ *Married with 2 children* – son is Senior at UC Santa Barbara, daughter Freshman at SFSU

Philosophy



- ▶ *Children learn from mistakes therefore need opportunities to correct mistakes.*
- ▶ “Things happen” in life
- ▶ *Open communication between home & school*
- ▶ Middle school students are young and still need guidance but also need to take more responsibility than younger grades.
- ▶ *High expectations & safety nets*



- ▶ Individually wrapped candy
- ▶ *Colored copy paper*
- ▶ Tissues ***
- ▶ *Large Paper Clips* ***
- ▶ Glitter glue



Class Expectations

- ▶ **Best Effort** – participation, homework
- ▶ *Accelerated classes need to maintain 80% or above average*
- ▶ Chances are given to all retake tests and redo major assignments
- ▶ *Get help right away*
- ▶ Make-up work in timely manner



Communication

- ▶ Open communication between parent and teacher helps child reach potential.
- ▶ *sanghak@cambriansd.com*
- ▶ 408-377-2532
- ▶ ***Write a note and send with child***
- ▶ Available for assistance most days after school except Wednesdays (Teacher meetings).



(ASD IMath 1)

- Algebra/Geometry (first year high school)
- Communication with Campbell High School district to make sure the students have the skills/concepts to skip first year high school math.
- Two benchmarks are given to test the standards and Final
- The Benchmarks & final are Performance Tasks (common core standards)
- Two projects/challenges per quarter (10% each)
- Focus is on making connections between the math concepts introduced.



Next Year's Placement

(In the Campbell High School District)

- Integrated Math I (this year)*
- *Integrated Math II (9th grade)**
- Integrated Math III or Integrated Math III stem (Algebra II)
- *Pre-Calculus/Trigonometry or AP Calculus A/B or AP Statistics*

** Integrated and traditional same units in year 1 and year 2 but different order.*



Price Middle School Mathematics Course Pathways



	Grade 6	Grade 7	Grade 8	
Grade Level Pathway w/Supports	CC Math 6	CC Math 7 & ASD	CC Math 8 & ASD	
Grade Level Pathway	CC Math 6	CC Math 7	CC Math 8	
Grade Level Pathway w/Acceleration	CC Math 6	CC Math 7	CC Math 8	ASD IM1
Accelerated Pathway	CC Math 6	CC Math 7/8	CC Integrated Math 1	

*Along with grade level concept standards, students are to become experts in the 8 Mathematical Practices. The Standards for Mathematical Practices are the same 8 key strategies kindergarten through grade 12. These practices are interwoven in all math courses so that students can master them based on their grade level. Incorporating these practices well, is something that Price Middle School takes pride in.

CUHSD Mathematics Course Pathways 2017 -2018

	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
Grade level path #1	Math 8	Integrated Math 1	Integrated Math 2	Integrated Math 3 IB Math Studies (Y1) *	Pre-Cal/Int Math 4 AP Statistics AP Computer Science ² Statistics ² Senior Math Seminar ³ IB Math Studies (Y2) *
Grade level path #2	Math 8	Integrated Math 1	Integrated Math 2	Integrated Math 3 STEM IB Math Studies (Y1) *	Pre-Cal/Int Math 4 AP Statistics AP Computer Science ² Statistics ² Senior Math Seminar ³ IB Math Studies (Y2)*
One high school acceleration point*	Math 8	Integrated Math 1	Integrated Math 2	Integrated Math 3 STEM IB Math Studies (Y1) *	AP Calculus AB* AP Statistics AP Computer Science ² Statistics ² Senior Math Seminar ³ IB Math Studies (Y2)*
One middle school acceleration point #1	Math 8B/Integrated Math 1	Integrated Math 2	Integrated Math 3	Pre-Cal/Int Math 4 AP Statistics AP Computer Science ² Statistics ² IB Math SL (Y1)*	AP Calculus AB AP Statistics AP Computer Science ² Statistics ² Senior Math Seminar ³ IB Math SL (Y2) *
One middle school acceleration point #2	Math 8B/Integrated Math 1	Integrated Math 2	Integrated Math 3 STEM	Pre-Cal/Int Math 4 AP Statistics AP Computer Science ² Statistics ² IB Math SL (Y1)* IB Math HL (Y1)*	AP Calculus AB AP Statistics AP Computer Science ² Statistics ² Senior Math Seminar ³ IB Math SL (Y2) * IB Math HL (Y2)*
One middle school and one high school acceleration*	Math 8B/Integrated Math 1	Integrated Math 2	Integrated Math 3 STEM	AP Calculus AB* AP Statistics AP Computer Science ² Statistics ² IB Math SL (Y1)* IB Math HL (Y1)*	AP Calculus BC AP Statistics AP Computer Science ² Statistics ² Senior Math Seminar ³ IB Math SL (Y2) * IB Math HL (Y2)*

¹ AP Computer Science is offered at Branham, Leigh, Prospect, and Westmont and counts toward elective credit

² Statistics is offered at Leigh and Prospect

³ Senior Math Seminar is offered Branham and Leigh

⁴ IB Course is offered at Del Mar

May 2017

Not Going to Campbell High School District

- ▶ Most private high schools and some districts follow the traditional pathway.

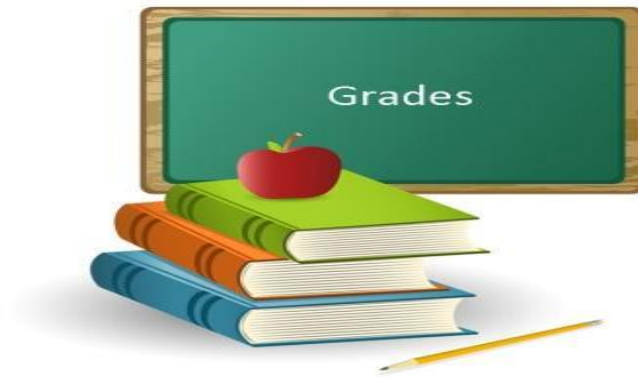
- ▶ *What does this mean for your child?*

Students will not have all the Algebra standards mastered to test out of Algebra.

Students will have about ½ of Algebra I standards, ½ Geometry standards and some Statistic standards mastered.

If you wish for your child to test out of Algebra in these schools, let me know (Nov – Jan) and I can give you the list of standards they will need to learn.

Grading



- ▶ Homework (5% of final grade)
- ▶ Tests (each test 10% of final grade)
- ▶ Class work (30% of final grade)
- ▶ Projects/Challenges (each about 10%)
- ▶ Notebooks/Workbook (10% of final grade)
- ▶ Participation (about 10% of final grade)

Textbook

- ▶ Because students still need to finish some of the 8th grade standards I will be using a workbook and rearranging the order.
- ▶ **This is the textbook Campbell High School District is using for IM1. I am attending training on this with the high school teachers.**
- ▶ I will integrate it with my lessons so the students will be ready for the textbook setup next year.



Homework – Problem solving

- ▶ Many questions are going to be problem solving questions. Students need to use the tools they have from the past and try to come up with the best answers. This is how their brain develops – when students struggle to solve the problem.
- ▶ *I expect them to have an answer – it may be incorrect. That is ok – they will develop problem solving skills this way.*
- ▶ We will discuss the different strategies and the answers. Then I will expect them to complete it with accuracy.

Homework– skill development

- ▶ In this case the questions will also have self-check answers.
- ▶ This is where the students are expected to come see me or get help if they are getting the incorrect answers.

POWERSCHOOL



- ▶ <https://pwrsch.cambriansd.org/public>
- ▶ Grades are updated regularly
- ▶ **Future assignments are listed (see date)**
- ▶ If assignment is in blue, click on it to get more information.



- ▶ www.cambriansd.org/price/
- ▶ Does not have homework assignments (use powerschool)
- ▶ **Copy of some handouts**
- ▶ Has an extra credit
- ▶ **Wish List**
- ▶ Math Links

MATHEMATICAL PRACTICES

1.

Make sense
of problems &
persevere in
solving them

2.

Reason
abstractly &
quantitatively

3.

Construct viable
arguments &
critique the
reasoning of
others

4.

Model with
mathematics

5.

Use appropriate
tools strategically

6.

Attend to
precision

7.

Look for &
make use of
structure

8.

Look for &
express regularity
in repeated
reasoning

MATHEMATICAL PRACTICES

UNDERSTAND *and* **PERSEVERE**

MP1

I can make sense of problems and not give up when trying to solve them.

STRATEGICALLY *use* **TOOLS**

MP5

I can select and use the appropriate tools to help me solve problems.

LOGIC *and* **REASONING**

MP2

I can use words, numbers, logic and reasoning skills to help me solve problems.

ATTEND *to* **PRECISION**

MP6

I can review my calculations to see if they are correct.

JUSTIFY *and* **CRITIQUE**

MP3

I can justify my strategies and evaluate if the ideas of others make sense.

UTILIZE STRUCTURE

MP7

I can use the structure of a problem to help me find the answer.

MODEL *with* **MATHEMATICS**

MP4

I can clearly show my work using diagrams, words, symbols, and pictures.

UTILIZE PATTERNS

MP8

I can find and use mathematical patterns to help me solve a problem.

What Kind of Mindset Do You Have?



I can learn anything I want to.
When I'm frustrated, I persevere.
I want to challenge myself.
When I fail, I learn.
Tell me I try hard.
If you succeed, I'm inspired.
My effort and attitude determine everything.



I'm either good at it, or I'm not.
When I'm frustrated, I give up.
I don't like to be challenged.
When I fail, I'm no good.
Tell me I'm smart.
If you succeed, I feel threatened.
My abilities determine everything.

Other Websites

GROWTH MINDSET



- ▶ Ted talk:

www.youtube.com/watch?v=pN34FNbOKXc

- ▶ Jo Boaler

<https://www.youcubed.org/resource/mindset-boosting-videos/>

(select the student tab to watch video)

CAASPP

- ▶ Questions

https://login4.cloud1.tds.airast.org/student/V194/Pages/LoginShell.aspx?c=SBAC_PT

(sign in as guest)



Questions?
Comments

THANK YOU FOR COMING