

Mathematics in BUSD

An Update on Current Curriculum, Professional Learning,
Assessment, and Coaching

Curriculum:

Elementary

- 3rd year of ASOU
- Spanish Translations for some Modules for TWI/Bilingual Programs
- **Building in ELD supports**
- **Building in SPED supports**
- Revised Pacing K - 5
- Streamline Printing

Middle School

- 2nd year of ASOR
- Integrating ELD supports
- Integrating SPED supports
- Workbooks printed for all modules
- Google pacing/resource doc for 6-8
- BUSD MS Math CC Wiki

High School

- **1st year of MVP**
- Spanish Translations for some of the Modules
- Student editions printed for all modules
- Google Collaboration Doc for each lesson of each module
- Shared supplements, assessments, and student work on Google Drive also

Professional Learning

Elementary

- Model Classrooms in Math
- **District Wide Math Collaboration Days for Trimester Assessments**
- Teacher calibration of proficiency levels
- PD on Progressions of standards for vertical alignment and instructional support

Middle School

- “Inspiring ALL Math Learners” PD theme
- District Collaboration and PD for rubric grading of 6-8 Math assessments
- Continue math mindset work and ASOR engagement strategies
- Integrating Technology

High School

Collaboration groups meet 5 times a week

- **Plan and debrief lessons**
- **Create lessons notes for future years**
- Share student work
- Create common assessment questions and rubrics
- Grade common assessment questions together
- Observe in each other's classrooms
- Work to support students in those classrooms

Assessment

Elementary

- **MTLs writing 3 Trimester Assessments using ASOU**
- All Assessments being Translated into Spanish for TWI/Bilingual Classrooms
- Variety of common assessments: Mid-Module Assessments, exit tickets, teacher quizzes, tests, projects
- Finding teachers to write Assessments

Middle School

- 6-8 BUSD Assessments of 3 major modules based on ASOR assessments
- Assessments #1 and #2 completed with rubrics
- Assessments #3 and rubric to be completed in January
- BUSD Assessment Protocols, Accommodations and Modifications doc
- Other common assessments: FALs, exit tickets, teacher quizzes/tests and projects

High School

- Pre-assessment given in first 2 weeks of school
- Post-assessment will be given at the end of the school year
- Common questions on each module test
- **2 Common Assessments at the end of each semester**
- Module 1 common questions and grading rubric created
- Module 2 common questions and grading rubric created

Types of Assessment

Type of assessment	Focus	Length	Example
Long Cycle	Across marking periods (trimesters, quarters, semesters, years)	Several weeks to a year	SBA
Long Cycle			Teacher-Designed Formative Assessments
Medium Cycle	Within and between instructional units	1 to 4 weeks	Section Quizzes Chapter and Module Tests
Short Cycle	Within and between lessons	24-28 hours	Exit tickets
(Very) Short Cycle	Within lessons	seconds/minutes/up to 2 hours	Various strategies teachers use to check for understanding

Coaching

Elementary

- Biweekly meetings with MTL
- Observing, documenting, and sharing best practices through shared documents or online resources
- Modeling lessons and Co-teaching with new staff
- **One district coach for 11 sites and over 200 teachers**

Middle School

- Biweekly meetings with MTL
- Supporting new math teachers
- Modeling lessons and co-teaching
- Planning District math PD and 5 collaborations
- Observing, documenting, and sharing best practices through WIKI and google docs
- CC PD for SPED teachers, mentors and tutors, parents

High School

- Tri-weekly meetings with 4 different collaboration groups
- Bi-weekly direct teacher and student support in classrooms
- **Planning tri-weekly collaboration meetings**
- Organizing all the documentation for BHS' MVP teacher's edition

Update on BHS Math Design Collaborative

This chart shows the structure of the Math 1 collaboration periods:

- BLUE = collaboration periods led by LCAP coaches
- ORANGE = collaboration, observation and support times
- groups are listed at the bottom

	Period 1	Period 2	Period 3	Period 4	Period 5	Period 6
Albrecht H206	Math 1		Collaboration/ Observe Goodrich		Math 1	
Alcala H302	Math 1		Math 1	EL Math 1	Collaboration/ Observe Albrecht	Math 1
Austera H114	Math 1x	Collaboration	Math 1x			Observe Dean
Baird H115						Math 1
Dean 1*-3* H308, 6* H211	Math 1x	Math 1	Math 1		Collaboration/ Observe Lesser	Math 1x
Garfinkel 2* H307, 5* H213		Math 1 CAS	Lead Collaboration/ Observe Taylor		Math 1 CAS	
Goldman H211	Collaboration/ Observe Weitz			Math 1 AMPS	Math 1 AMPS	
Goodrich H307		Collaboration/ Observe Garfinkel	Math 1	Math 1		Math 1
Henri H216			Adv Math 1		Collaboration/ Observe Goldman	Adv Math 1
Nagappan G210C	Lead Collaboration	Lead Collaboration	Math 1x	Math 1x	Lead Collaboration	Observe Henri
Lesser G210C		Math 1	Collaboration/ Observe Austera		Math 1	Math 1
Taylor H303	Collaboration/ Observe Alcala		Math 1 AHA	Math 1 AHA	Math 1x	Math 1x
Weitz 1* H303, 5* H308	Math 1x		Collaboration/ Observe Nagappan		Math 1	
Collaboration groups G210A	Nagappan Goldman Taylor	Nagappan Austera Goodrich	Garfinkel Albrecht Weitz Lesser	NO COLLAB	Nagappan Dean Henri Alcala	NO COLLAB

BHS Math 1 *"What Looks Familiar?"*
Pre-Assessment Participation Rates

Assessment	All Students	ASI 3+ Students	African American Students	Hispanic Latino Students
9 th Graders	96.6% (n=593)	98.6% (n=143)	96.4.% (n=112)	96.7% (n=122)
10 th -12 th Graders	93.0% (n=230)	94.5% (n=109)	89.7.% (n=84)	98.7% (n=78)

there will be a 3 minute video presentation on the BHS
Common Core math design collaborative