

K-8 Math Acceleration Presentation

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Missy Walker
HCS Math Coordinator



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What is Math Acceleration?

- Mastery of grade-level standards
- Deepening of conceptual knowledge
- Application of mathematical practices
- Real world connections
- Recognizing that everything a student needs to know about Algebra begins in kindergarten

Why Accelerate?

- Develop conceptual knowledge
- Algebra I Pathway
- Honors/AP/IB Pathway
- Career and College Ready

Timeline

- 2015-2017: Math acceleration curricula in Grades 3-7
- 2015-2016: Identify master math teachers
- 2015-2017: Provide authentic, on-going PD to support math practices
- 2015-2016: All elementary schools will have a math team
- 2017-2018: Algebra becomes the standard curriculum in eighth grade

Master Math Teachers

- Identify master math teachers
 - Classroom assessment data
 - Teacher basic skills assessment
 - Principal input
 - Teacher interest
- Opportunity to participate in math courses
- Monthly PD provided
- Teacher stipend

Math Acceleration IB-PYP

- Identify Lead Teacher(s) per grade level that will receive the same level of training that the non-magnet departmentalized math teachers receive
- Williams and Providence will be staffed with a 0.5 IB Coordinator / 0.5 Math Specialist that will receive same training as the non-magnet departmentalized math teachers
- ASFL – allow the Reading Coach to assume math coaching responsibilities and receive same training as the departmentalized math teachers.
- IB Learning Lab for teachers similar to ARI framework (for summer 2016)
 - 5 day intensive introduction to the Common Core / 8 Mathematical Practices
 - Professional development provided by subject area experts and master teachers from HCS
 - 10 days of embedded coaching during the 2016-2017 school year

Math Professional Learning

- Administrators
 - April principals meeting
 - Administrative Conference
 - PLU to support math focus
- Teachers
 - Laying the Foundation training
 - Addition of math module to the learning lab
 - July full day training
 - Monthly PD support
 - Secondary PD summer opportunities

Student Support

- Departmentalizing in grades 3-6
- Whole group instruction
- Small group instruction
- Flexible scheduling
- Enrichment
- Remediation
- Cross-grade instruction

Elementary Math Teams

- All elementary schools will have a math team
- All interested students can participate
- Team meetings will occur during the school day
- Intramural competitions
- Opportunities for state and national competitions

Evaluation of Program

- Quarterly/Annually
- District Monitoring and oversight of the Math Acceleration Program
- Annual review of the curriculum and pacing guides
- Formative and Summative Assessments
- Student and Teacher Surveys



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