

Central Dauphin School District Mathematics: Curriculum, Instruction, & Assessment

2015-2016

- Consistent benchmarking in Math- K-5
- Math benchmark data analysis completed K-5
- Began work with individual teachers with the implementation of Guided Math
- Summer Academy- Teachers in grades K-6 received Math Data Analysis and Guided Math training

2016-2017

- Careful analysis of Math curriculum proved the curriculum needed to be rewritten
- Curriculum Department lead teachers working on curriculum in a complete analysis of K-12 PA Core Math Standards in all domains and focused on Eligible Content
- Cohort of 24 K-5 elementary teachers and specialists rewrote elementary curriculum starting in October
- Eliminated redundant Go Math lessons when Go Math was aligned to new curriculum
- Per Board approval, expansion of the Glencoe series in grades 6-8 and Pre-Algebra
- Cohort of 8 7th and 8th grade teachers wrote 7th and 8th grade curriculum
- Eliminated redundant Glencoe Math lessons when Glencoe was aligned to new curriculum
- Used test blueprint to create a logical curriculum sequence (keeping in mind logical sequence of learning)
- Spring of 2017- curriculum writing was 'complete' and aligned to Standards/Eligible Content
- Skills were built into other grade levels as necessary to build background knowledge (ex. Money in first grade, statistical landmarks K-5)
- Created a placement protocol for middle school math students using multiple data points
- Continued support of the implementation of Guided Math
- Provided certain schools training on why Eligible Content is so important to use
- Summer Academy- K-8 teachers received curriculum update training in addition to Math Eligible Content training
- Summer Academy- any teacher who teaches math in 7th – 8th grade and pre-algebra (including high school) received Math Data Analysis and Guided Math/differentiation training

2017-2018

- Continued support and coaching of Guided Math
- 6th Grade Math curriculum is being rewritten in addition to writing common assessments
- Use of Edmentum data and other sources of data to drive math instruction, differentiation, and guided math
- Assessments K-8 (including Algebra I and Geometry) are being updated and aligned to the new curriculum, formatting updated to mirror Math PSSA layout, developmentally appropriate assessments, balance between computation and word problems in order to identify student processing issues
- Buildings are using IDEAL Plans to create Action Plans