MATH
Goals & Action Plans for Curriculum Alignment

From the 2nd Annual Curriculum Alignment Conference
October 28, 2011

Math

• Continue and initiate more dialogue between elementary schools, middle schools, high school and college level with involvement of DOE and workforce.
  o Distribute (advance) invitations to involved parties (Elementary levels and DOE) to attend future meetings.
  o Invitations to Elementary levels from subject supervisor at the District.
  o (DOE)
  o Contact secondary school business partners with mathematics usage in field (P.R.I.S.M.)
  o Contact Math Education Professors and send invitations

• Provide constant communication of course descriptions and ongoing assessments between levels to include discussions regarding Common Core standards and assessments.
  o Course-progression flowchart.
  o Have updated course descriptions, policies regarding grading and technology uses available on websites with accessible views of standards of all courses (K-20) with flowchart as it applies from district to district, college-to-college, etc.
    (example: playlist for PrimarySchool:A, MiddleSchool:Q, HighSchool:R, College:B, University:K)
  o Notify different levels of changes in assessments and standards to include a timeline of upcoming assessments on the website.

• Discuss and align placement process from secondary to post-secondary (6-20).
  o Collect information on college placement exams and communicate with high schools on the process, procedures, pre-requisites, co-requisites, and ramifications involving course assignment
  o Update high school teachers on college placement exams, requirements, and exemptions.
  o Collect information on End of Course exams and updating colleges with said information

• Continue to consistently align the concepts taught and tools and technologies (pedagogical vs. instruction) used in the K-20 levels, modifying instruction to achieve desired learning outcomes.
  o Provide a list of technology policies of schools, colleges, and universities (via website).
  o List technology instruments used by educators, by students and their application (graphing utilities, online homework, virtual calculators, etc.)
o Communicate with Math Education professors and college/university level Math instructions to work with K-12 educators of mathematics and collaborate lesson planning, modeling best practices techniques.

o Collaborate with cross-curricular secondary and post-secondary instructors and local industry professionals to create videos and other resource to be used in classrooms demonstrating real-world application of mathematics in different fields and careers.

• Begin discussions on assessments and grading practices at all levels.
  o Create a document on standardized course testing procedures, venues, grading policies among different courses (example: EOQ and EOC Exams)
  o Provide syllabi of courses outlining curricula.