

Math and Science Advisory Council
Friday, January 15, 2016
10:00am to 4:00pm
SIPI

MSAC members:

Mr. Karl Agar II
Ms. Phyllis Baca
Mr. Keith Bausman
Ms. Felicita Bayangos
Ms. Selena Connealy
Mr. Nathaniel Evans
Mr. Joe Hastings
Ms. Suzanne Johnson
Ms. Karen Kinsman
Mr. Zachary Leonard
Dr. Alexei A. Pevtsov
Ms. Kim Scheerer
Dr. Hy Tran
Dr. Nader Vadiee
Ms. Gwen Warniment

Present: Karl Agar, Phyllis Baca, Keith Bausman, Selena Connealy, Nathaniel Evans, Joe Hastings, Suzanne Johnson, Karen Kinsman, Zach Leonard, Alexei Pevtsov (via phone), Kim Scheerer, Nader Vadiee, Gwen Warniment (via phone)

MSB PED staff present: Lesley Galyas, Marcia Barton, Yanira Vasquez, Claudia Ahlstrom

- 1) 10:15 called to order
 - a. Roundtable with members introducing themselves
- 2) Karen motioned to move lunch after item 6; Keith 2nd, all approved
- 3) Nathaniel motioned to approve minutes from last meeting; Karl 2nd, all approved
- 4) Selena talked about MSAC priorities document
 - a. Zach discussed timeline chart through 2020 MSAC document
 - b. Group discussed and made recommendations for timeline improvement
- 5) Zach passed out norms after teambuilding group activity
- 6) PED Update
 - a. 19th of December 12:00 next legislative session
 - b. \$600,000 proposed increase in budget for mathematics/science
 - c. Symposium will continue as planned
 - d. Hard to staff initiative moving to teacher quality, taking pressure off of mathematics and science bureau.
 - e. MSAC funding suggestions and letters

- f. June 3rd and 4th symposium dates
 - i. Elementary training in computer science
 - ii. 2nd of June pre-conference session
 - iii. Mathematics symposium training is through WestEd
 - iv. APS balloon science atmospheric lab students to present
 - g. Possibly be funding mathematics coaches for school districts
 - h. NGSS holding-sending report to governor soon from mathematics and science bureau
 - i. Making sense of student work with teacher cohort
 - j. 2nd training follow up from last year
 - k. Making sense of science 100 teachers signed up
 - l. No news of national science foundation grant
 - m. Large NASA grant near Globe – subcontracted through WestEd
 - n. Data released from NMPED website for score on PARCC and science NMSBA exams
 - o. Science data shows drop in every grade
- PARCC presentation and overview of data, framework, and SMP (stds of math practices)

Discussed teacher liaison at NMPED that can bring teacher issues back to the department.

12:30 LUNCH

- 7) NM MESA presentation by Kim
Mathematics, Engineering , Science, Achievement information about program.
- 8) Zach – went over the communication assignments for dissemination of strategic plan
- 9) Work Session– Three subgroups met, see below.

Report out from subgroups:

Strategic Framework Communication Group (Group Members: Karen, Nader, Kim, Keith, Phyllis and Joe)

This group will build on their work from the last meeting by continuing to develop a detailed plan for presenting the Framework at the STEM Symposium and beyond.

Report Group (Hy, Selena, Suzanne, Selena, Alexei)

This group will:

- a. Produce a cover letter, including letterhead with names of MSAC members
- b. Determine a stakeholder list (hard copy recipients and virtual copy recipients)
- c. Finalize captions for 2014-15 PARCC and NM Science SBA

Math Study Group (Karl, Zach, Nathaniel, Fheli, Gwen)

This group will continue to develop recommendations, aligned with the Framework, for improving mathematics education in New Mexico. We should build on the work that we did on

January 15th where we consolidated our thinking by prioritizing concrete actions on the large post-it notes. We will send out the results of that activity by Monday, February 29th.