

Math and Science Advisory Council Minutes
Thursday, November 5, 2015
10:00am to 4:00pm
EPSCoR, 1312 Basehart Dr SE, Albuquerque

1. Call to Order/roll call—Selena, 10:11am

Mr. Karl Agar II (no)
Ms. Phyllis Baca (here)
Mr. Keith Bausman (here)
Ms. Felicita Bayangos (here)
Ms. Selena Connealy (here)
Mr. Nathaniel Evans (here)
Mr. Joe Hastings (no)
Ms. Suzanne Johnson (late)
Ms. Karen Kinsman (here)
Mr. Zachary Leonard (here)
Dr. Alexei A. Pevtsov (here)
Ms. Kim Scheerer (arrived)
Dr. Hy Tran (here)
Dr. Nader Vadiiee (late)
Ms. Gwen Warniment (here)

2. Approval of Agenda (Additions/Deletions) Suggest moving #9 to after lunch , Nathaniel moves, Gwen seconds, all approved

3. Approval of Minutes—minor corrections on attendance (Marcia B & Lesley G are guests; Suzanne J. present, but delayed attendance)—Zach moves, Alexei seconds. Motion passes.

4. Meeting Goals

- 2014-2015 Math and Science Report
- Strategic Planning for 2015-2016
- Quick round-robin intro of all who are here, new & veteran members
 - Keith B, HR coord Socorro Cons. Dist., former Math/Sci teacher, goal to help with recruitment, both locally & for state.
 - Lesley G, director MSB, PED K-12
 - Nathaniel E, teacher at Taos, first year on council
 - Marcia B, taught science HS, member of council, then, PED staff
 - Feli, “Ms B”, math teacher 6th year in NM, Crownpoint, then, Ruidoso, would like to know what PED is trying to do for STEM. Interested in combining math & science
 - Hy, self-intro, Sandia, formerly prof. at UNM, w/ council since reinstatement, formerly w/ Malva as Co-chair.
 - Phyllis, SF CC, formerly MSAC and again at MSAC, passionate about STEM
 - Alexei P., astronomer, exp w/ NSF REU program, NASA program admin, adjunct at NMSU, children in NM schools, ideas about needs for NM
 - Karen K, director UNM STEM outreach, now under HSC, K-12+ pipeline.
 - Zach L, LANL, MathSci Acad, Northern NM capacity, co-chair, influence policy to help support the profession—retain and attract into the profession

- Gwen W, LANL Foundation, prog director, ISEC (inquiry based science educ consortium)—across the entire spectrum, 10th gen NM committed to NM
- Selena C, EPSCOR educ/outreach coord, informal science, statewide work-how to work together rather than “random acts of STEM”, STEM not just about a job, but being empowered in how to think—all students, not just job pipeline—EPSCOR is hosting this meeting, logistics about facility
- Lesley announces to teacher members—PED will reimburse district for subs & for mileage, so please contact her for details if necessary.

5. Logistics/Setting the Stage

Zach reminds group norms

- Designate a facilitator, timekeeper, and recorder—Nathaniel is timekeeper
- Group team builder—Get to know one another in person
- Quick review of agreed upon group norms

6. PED Updates (Lesley and Marcia)

- (About 30 minutes)
- Various Math/Science training schedules for 15-16 school year, math disc training in Las Vegas, Alamogordo, outreach to districts post-symposium. Notices went to superintendents. Issue about disconnect with superintendents vs individual teachers. MSB cannot get a “list”, but MSB encourages teachers to join the list-serv.
- Marcia: Go to nmsta.org, join the list-serv link (middle of page)
- STEM symposium First Fri/Sat in June 2016. (6/3 and 6/4)—maybe a pre-conf day with “technology base”—All at Embassy Suites Albuquerque. “Theme” for 2016 Symposium?
- How can we capitalize on getting all the teachers/students/etc who participate in STEM symposium as grassroots supporters for STEM for better resources? STEM leader in every district? Some discussion about how PED budget & MSB budgets w/ legislature/governor?
- Mid-school math, 250 teachers supported to attend w/ scholarships (Feb 2016)
- Making sense of science (MSS), matter & energy last year, add earth sci this year. (K8 focus for earth). MSS model w/ training facilitators who can build capacity (train-the-trainer)
- Submitted various grants for activities
- If we can support more Math, middle-thru-algebra-1 is gap, state funding plus-up
- Need to discuss helping math emphasis—now, we have data for state target & NM “attainment”
- Presidential award for excellence in math/sci educ. 2013 awardee: Marco Martinez (math), Karen Beamish (sci). Please nominate K-6 teachers in both math & sci, website is paemst.org.
- No update on NGSS—status is, focus group of 50 teachers last school year, crosswalk previous vs NGSS, teachers worked really hard, PED was not even an observer (external facilitators). Results presented to Sec Skandera, but holding pattern until after legisl session.

7. 2014-2015 Math and Science Report

- Review—Marcia gives update. NAEP just came out, but not all data. Ditto PARCC. 2 printed copies will be distributed with cover “data pending”. Then, the second version will be with data. (Potentially Jan. 2016?)—strategic framework will be a centerfold
- Plan for Distribution—make a “google doc”, Karen to coordinate list of hardcopies & USPS address

8. STEM Collective Impact Team Report (Karen Kinsman)

- Selena presents STEM Ready report given to LESC. Will be setup in Google Docs
- Karen-STEM hub, “Mission Graduates” facilitating STEM hubs of excellence. NMPMSE contracting w/ NM First to look at hub models.

12:00 Lunch

We all thank Selena/EPSCOR for lunch.

9. Strategic Planning, Part I

10. MSAC Professional Learning (Gwen Warniment, ISEC, LANL Foundation)—8 districts in Northern NM, 42 schools, ISEC aligning to NGSS framework, supports Spanish language work too. Outcomes in year 4 of ISEC, showing statistically significant changes.

11. Strategic Planning, Part II (I and II)

Part I. 25 minutes of explaining in small groups. Kim S. arrives & introduces herself, NM MESA.

Part II. Historical timeline, roughly last 20 yrs of Math/Sci Educ. How does MSAC help move things forward?—Lightning, what are the 3 most important things that MSAC should do this year (ending July 2016). Ask someone to take pictures. Priorities: Framework/MSAC report, Math/Urgency; NGSS.

12. Next Steps

Subgroup for PARCC data: Core writing team.

Do we need to take concrete action on strategic planning II, before next meeting?

Gwen W offers attending the LANL Foundation training on 1/9/2016 on strategic communications

13. Sunshines and Blues (descriptive feedback on the flow, process, or content of the meeting)

Future MSAC Meetings

Jan-Feb? Week Jan. 18? March-April?

Nathaniel moves to adjourn, Keith seconds, passes, 3:58pm