

Math and Science Advisory Council Meeting Minutes

May 17, 2019

9:45am to 3:15pm

New Mexico State University (NMSU)

Las Cruces, NM

1. Call to Order (9:52 am - CK)

Dr. Wanda Bulger-Tamez

Ms. Christy Krenek

Dr. Scott Robbins (absent)

Ms. Kim Scheerer

Ms. Glenda Leonard

Ms. Anna Suggs

Ms. Tanya Rivers

Ms. Mollie Parsons

Ms. Bernadine Cotton

2. Introductions with something STEM memorable since February 2019

- Round the table of MSAC members
- PED Math and Science Bureau member: Pat Carden (Math Specialist)
- NMSU, College of Education: Interim Dean Dr. Susan Brown
 - *note:* math & science specialist collaborative including multiple Universities and partners

3. Review and approve agenda (Additions/Deletions)

(10:22 am) TR motions to approve the agenda as is.

AS seconds the motion.

Motion passes.

4. Minutes: approve minutes from February 7, 2019 meeting at Milagro Middle School

(10:38) MP motions to approve the minutes as updated.

BC seconds the motion.

Motion passes.

5. Logistics/Setting the Stage

- (10:41 am) Review of NEW group norms
- (10:42 am) Review electronic communications format
 - All MSAC members have an electronic device
 - MSAC members are getting more comfortable with google drive
 - Bookmarking the MSAC share folder as a tip
- (10:45 am) Leadership positions for 2019-2020
 - Scott Robbins will maintain Secretary position
 - CK - stays on as co-chair as it's a 2 year position
 - TR - nomination of WBT for co-chair (2 year position)
 - KS - seconds the nomination
 - WBT - time to consider, willing to accept & conversation ensues
 - (10:51 am) All in favor, motion carries!
- (10:58 am) Discussion about new membership, needs in Post-secondary and private. Three members are needed to replace the spots of: Kim, Gwen and 1 unfilled

position. Including geographically diverse representation is important. MSAC notes that PED needs to update MSAC application forms with new Secretary of Education.

- Pat will communicate with the MSB PED office to update forms and let the MSAC members know that they are prepared to be used.
- Possible idea of connecting with someone from NM Workforce Solutions for an advisory committee position.

6. (11:08 am) PED Math and Science Bureau update: Pat Carden

- A five-page update is disseminated, including the topic headers below, discussion ensues.
 - Making Sense of Science (MSS) Teacher Institutes
 - April 29-30, 2019: Supporting Science Standards Implementation for Administrators (32 districts, 64 administrators & 21 teachers)
 - June 3-14, 2019 sessions in Abq. and Las Vegas, NM
 - Making Sense of Student Work (MSSW) - Math
 - MidSchool Math Conference: March 1-2, 2019 (Santa Fe)
 - Multiplicative Reasoning Workshops: Sept. - November 2018
 - Additive Reasoning Workshop
 - INSPIRE 2019 Teacher Summit: May 30-31, 2019 in Abq.
 - Computer Science - new standards on July 1, 2019
 - Deeper conversation about student learning and coding occurs.
 - When does it start in schools; resources that kids use & teacher integration, etc.
 - Ex. VEX, Project GUTS, Alice, Scratch, Code.org, Sphero-mini's
 - OpenSciEd Field Test
 - 10 state collaboration
 - first field tested units in grades 6, 7 & 8 to be released in summer 2019
 - Instructional Material Review
 - Mathematics instructional review in June 2019
 - High School Dream Team - 24 teachers
 - Science Readiness Partnership (SRP) Initiative
 - 49 K-8 teachers, 13 administrators
 - To continue into 2019-20
 - NM Assessment of Science Readiness (NM-ASR)
 - NM STEM Connect newsletter
 - Webinars - content is archived on the PED website
 - Virtual Professional Learning Community (PLC)
 - Presidential Awards for Excellence in Math & Science Teaching 2018
 - Erin Mayer - Janet Kahn School of Integrated Arts (APS)
 - Erin Schultz - Sixth Grade Academy (Pojoaque Valley PS)

(11:40 am) MSAC notes that computer science needs to be included in our focus, all agree. Can the MSB do integrated trainings with math, science AND computer science to help with collaborative goals? Adding a culture of Computer Science to our state's Strategic Framework for guidance is relevant and important.

7. (12:05 pm) Break for lunch!

8. (1:00 pm) MSAC work = 2019 priorities and activities, including the 2019-2020 report

TR - When the MSAC report work gets underway? (deadline is November, 2019)

CK - What components can MSAC be helpful with?

PC - look at last year's report to check for full representation of all critical areas

Reminder of data needs and when, where, who to request data from for report. The PED works with various bureaus and departments in which to get various data. The 2018-2019 report was the first one to have ELL and migrant students. We can reference the Yazzie-Martinez case in relation to STEM education. The PED STEM inventory is currently out through the end of the month.

- Review letter to NM legislators (delivered by CK's Milagro MS students on Feb. 7, 2019)
- Review letter to NM Secretary of Education (mailed by KS on Feb. 7, 2019)
- (1:10 pm) Review and update critical issues on the STEM framework
 - MSAC splits into two teams to work
 - Members convene to review group work and make minor modifications
 - (3:02 pm) KS - makes a motion to accept the updated Strategic Framework
 - AS - seconds the motion
 - Motion carries.
- Letter or 1 pager with talking points for meeting with Sec. of Ed Karen Trujillo
 - MSAC discusses what to do with the updated Framework.
 - Christy and Wanda will share the updated Framework content with Yanita (PED) for review.
 - Efforts to get onto the Secretary's agenda can be revisited through the summer.
- (3:10 pm) Kim is recognized nicely; this is her last meeting.
- (3:12 pm) Discussion for next meeting in August 2019; SF Botanic Gardens are discussed for location. Friday, August 23rd is determined.

9. (3:15 pm) **Sunshines & Blues**: Descriptive feedback on the flow, process, or content of the meeting is shared with CK via post-it stickies.

(3:15 pm) meeting adjourned