

**Math and Science Advisory Council Meeting Minutes**  
**March 25 2022**  
**9 a.m.-4 p.m.**

Meeting was held virtually via Zoom Webinar.  
Minutes by Dave Dooling

**Approved 4/25/2022**

**Minutes:**

1. 9:08 am - Call to Order: roll call of remote participants, identify any public members

Tanya Rivers  
Paulo Oemig (out, 10–11)  
Leandro Venturina  
Mollie Parsons  
Dave Dooling  
Marcia Barton  
Khanh Pham  
Ling Faith-Heuertz (join @10)

Not present:  
Glenda Leonard  
Tammy Gaudet

Ex-officio: Shafiq Chaudhary, Christy  
Krenek MSB

2. 9:15 am Approval of Agenda. Parsons moved to approve. Barton seconded. A request to reorder sequence by Parsons. Need to approved both January and December minutes and move Review Governance Documents from #5 to #7 and insert public comments after #4. Barton asks that we discuss Open Meetings Act in Governance. Vote to approve 9:19.
3. 9:20 am Approval of Minutes from previous meeting (January 14, 2022 Minutes). Minor edits made to clarify January minutes. Parsons moves to approve. Venturina seconds. Approved at 9:28.
  - a. Also need to approve Dec 10, 2021 meeting minutes. Question about who seconded approval of October minutes. Barton says she did. Parsons moves to approve with edits. Venturina seconds. Vote to approve 9:33.
4. Public comments. No members of the public present.
5. 9:34 am MSB Education Session. Krenek reviewed Scety. Steinhaus's 2022 Legislative Update. (add as appendix?) Chaudhary noted that local districts still have significant control and PED does not know all local plans for Extended Learning Time in summer.

Krenek adds that MSB learns late in the calendar. She congratulated those who worked to get the Outdoor Education program funded. Oemig reminded MSAC of NM Space Grant Consortium scholarships. Parsons asks if a position for Outdoor Learning will be added, or if it is professional development. Chaudhary says PED is discussing how to handle funding. He also noted that the STEM Challenge is one of the best ways to get students interested in science careers. Professional learning may be focused on teachers, but gets shared with colleagues and changes classroom instruction. Krenek noted it becomes part of the instruction and reflection cycle. Venturina asked for an update on Secty. Steinhaus's directive making self-assessments by teachers and districts mandatory. Krenek notes that data, when available, will be uneven depending on methodology selected by local districts.

6. 10:10 am - BREAK. Resume @1030.
7. 10:30 am - Legislative Session Review. Effectively covered in #5 by Krenek.
8. 1030 am - 2022 Report Priorities (for the 2023-24 school year). Parsons reviews what needs to be rethought post-COVID.
  - a. Start with strategic framework and prior recommendations from previous years' reports. First assembled in 2015 and updated May 2019. Parsons reviewed current framework. Barton recommends giving this a large block of time at next meeting to update strategies — now three years old — to achieve goals that remain unchanged. Chaudhary said that it is better to have a mix of short- and long-term strategies so some goals can be achieved and highlighted within a school year. He outlined what the annual reports encompass and suggested that we review the most recent reports to see what critical needs have been addressed in the past. Pham suggested mapping reports from 2017 onward to accomplishments. Parsons notes how Annual Report Recommendations have evolved since 2017. Need to review which Critical Issues have been accomplished and which ones are priorities that we need to pursue. Should we return to structuring recommendations around critical issues? Rivers asks that we resolve language that describes issues. Barton noted that the large number of issues can water down recommendations. Parsons notes that we need to identify how and why we set priorities. Dooling said that priorities need to be re-emphasized if not met, or a rationale given for dropping it in favor of another one. Rather than breaking into subgroups, Parsons suggested that we dive into previous recommendations and their progress to help form the next round. Barton recommended that we just deal with the last two years because of changes caused by the pandemic. Parsons proposed, and attendees agreed, that we would go back three years, starting with 2021. Details of changes will be in marked-up copies of 2019–21 annual reports.
  - b. Look at priorities with lens of framework
  - c. Cut from agenda, due to time: 2 pm - Break into small groups

- i. Schedule meeting times for working groups (before next meeting)
- ii. Look for research
- iii. Discuss why these are important and how they relate to past work (previous reports) and future priorities
- iv. Write recommended actions for priority

9. 12:05 pm - Break for lunch. Resume at 1.

10. 1 pm Review Governance Documents. Reconvene at 1.

- a. Start with Deputy Sec Warniment and Division Director Costales. Welcome and introductions.
- b. Summary of conversation with Selena Connealy. Barton: We asked Connealy to review the history of MSAC to provide us with better historical context (held 3/23/22) and help resolve start/stop and duration of a term on MSAC. MSAC grew out of a town hall in 2005. Funded, enacted by statute, and dissolved during 2006–10. Reactivated in 2012. MSAC advises MSB and PED, but does not, as a body, advocate (though members may, within limits of their jobs). Question of whether Open Meetings Act applies is open, since we only advise and cannot decide, but use of public funds may require it. (Krenek says we are awaiting a response from PED legal counsel.) The next issue is member terms. Statute says 4-year terms, but when does it begin and end, especially if appointed partway through year? Appointment letters do not say. Barton reviewed statutes for other advisory councils, which vary from each other. Discussion among members on phasing departure/arrival with production of annual report. Weirnamment suggested following the Indian Education Council and to use the calendar year. Parsons asks about the duration for a mid-term replacement. Barton suggested alternative members. Dooling suggested that we are not so small that lacking a member would not stall the committee, and membership should just run January–December. Barton summarizes that we agree with Deputy Secretary Warniment on Jan. 1–Dec. 31 term, which would align with annual report production; the Secretary would fill vacancies effective Jan. 1. Warniment asked for advice on math initiatives for the state. Also asked the MSAC support Chaudhary, Krenek, and others. Rivers noted that the makeup of MSAC's membership can affect its direction. Krenek said that they are trying to recruit a wider set of voices. Warniment noted that state kids are struggling with math, and we are in a workforce crisis, and the way that we teach is rote and antiquated. Science has some success in changing. Numeracy and literacy are fundamental civil rights, so we need strong instruction and experiential work. How are we looking at math? Recommend a statewide math initiative or requirement for teachers? How to argue for it and with whom in legislature? Barton said we are one of few states without licensing and CE requirements for math. Warniment said PED is looking at different forms of micro-credentials that would be added to the teaching license. Session ended at 2:10.

Break 2:13–2:20.

- c. Make edits to existing document. 2:20, resumed updating governance document. Discussion of membership terms, alternates, and replacements. Most items resolved, but appointment and role of alternates are sticking points. Positions of co-chairs refined. Other details refined. Changes to be voted at next meeting. Section concluded at 3:17.
- d. Cut, due to time: Base knowledge - What should everyone know? Readings, intro for new members, acronyms, etc
- e. Cut, due to time: Annual calendar review

11. 2:30 pm - Break. Skipped.

12. 2:45 pm - Return to small groups. Skipped.

- a. 3 pm - Report progress to

13. 3:15 pm - Elect new co-chairs. Deferred until next meeting, partly based on comments by Warniment. Parsons moved to extend Tanya's term as co-chair until May '22 to allow a better transition at 3:19. Oemig seconded. Krenek notes that two new members will join soon from teacher sector. Approved 3:23.

Discussion on whether to have a follow-up meeting before May and extend reflection on past priorities, including emphasis on math. Parsons suggests a working group meeting without needing a quorum (Krenek will check law), April 25, 9–11 a.m.

14. 3:37 pm - Comments and New business. Barton discussed people, in and out of legislature, who made the Outdoor Education initiative happen. Middle- and high-school students testifying before committees "was amazing." Support from PED Secretary and Deputy Secretary was instrumental in making it happen.

15. Next Meeting Details. April 25, 9–11 a.m. Working session.

16. **Sunshines & Blues**