

## Math and Science Advisory Council Meeting

October 5, 2022, 9am-4pm

Held virtually via Zoom Webinar.

Minutes recorded by Dave Dooling

Approved on 2/3/2023

### Agenda

1. Call to Order at 9:05: roll call of remote participants, identify any public members

Glenda Leonard	Mollie Parsons
Tanya Rivers	Dave Dooling
Tammy Gaudet	Ling Faith-Heuertz (@9:13)
Paulo Oemig	Marcia Barton
Leandro Venturina	<del>Khanh Pham</del>

Ex-officio  
Shafiiq Chaudhary  
Philip Friedman

0. Approval of Agenda @ 9:09. Barton moved; Rivers second. Approved @9:10.
0. Approval of Minutes from previous meeting (August 16, 2022) @9:10. Rivers moved. Venturina second. Approved @ 9:12.  
(Leonard stepped away to handle class issue @ 9:11).
0. Public Comment @ 9:12. None.
1. 2022 Report Sub-Groups (for the 2023-24 school year)  
Science/Environmental: Parsons noted that wording was changed to be consistent with bulk of report. Chaudhary asked for details on how parttime coordinator position to coordinate the development of an Elementary Science Specialist license endorsement would differ from others in MSB. Parsons said it would be contractor rather than a state employee. Barton agreed that wording should be changed to reflect that. Members decided to keep recommendation in report. Discussed whether to describe person as coordinator or consultant. "Consultant" could require opening a position through SPO and paying through non-existent funding. Chaudhary suggested "part time coordinator," which would give him flexibility. (Chaudhary left for another meeting @9:30).

Computer science: Faith-Huertz reviewed the need to increase training. Friedman said 44 teachers have applied for CS training. Praxis is releasing new STEM-endorsement test soon, and about 30% is CS, hence need to train teachers. Leonard noted that many teachers do not understand what CS is. Friedman said CS definition is being developed to distribute to teachers. Also discussed pay realities.

Math: Rivers reviewed Student Access and Professional Learning. Barton asked about clarifying who will work with Legislature on details. Needs some rework in subgroups later. (Barton left @9:52 for another meeting.)

2. Reports from Working Groups (Science/Environmental, CS, Math). Largely done on Item 5.
3. Broke into subgroups (Science, Math, CS) @10. Return @11.
0. MSB Education Session @11. (Barton returns) Report by Chaudhary and Friedman. Chaudhary asked members to review MSAC update report. Barton, Parsons, and Chaudhary reviewed need to get enrollment and other data, and MSB being short-staffed and unable to provide everything. Oemig asked for access to raw data that MSAC can include with caveat that the interpretation (tables, etc.) is an MSAC perspective. Chaudhary said there is no mechanism for that. Oemig said we will have to request and include in next year's report. Joined by Dr. Melissa DeLaurentis of NMPED, who will report with Friedman on CS developments and definition of "What is Computer Science?" in context of 5-year NM Computer Science Strategic Plan and based on the Tucker definition. Trying to develop courses so teachers are comfortable with and want to embrace subject.

Adjourn at 11 for lunch. Resume at 1.

0. Finalize 2022 Report. Resumed at 1 and moved into breakout rooms. Return @1:22. Review changes made by subgroups. Science group made a statement that a new data collection system is being used so we cannot compare with older reports, but disparities and low achievement trends continue. Math recommendations were reworded to match other language better but kept spirit. (Faith-Heuertz rejoined @1:35.) Chaudhary noted that we do not mention alignment with PED Strategic Plan. It needs to be included so Secretary knows we are aware of it and have incorporated it into our thinking.

Parsons moved @2:01 and Oemig seconded that MSAC accept report, with caveat

that Parsons and Oemig will modify Executive Summary will be edited on 10/7.  
Approved.

0. Discuss advocacy of report priorities @2:03. Oemig and Barton discuss postcards that were developed to send to members of Legislature. Barton said design was easy after message was settled. (Venturina rejoined @2:05).

Rivers moved @2:16 to include MSAC recommendations for math graduation requirements wherever the co-chair see fit. Barton seconded. Approved @2:17.

Parsons asked about forming subgroup to work on language to align report with Strategic Plan. Subgroup includes Parsons, Oemig, Barton, and Faith-Heuertz.

(5-minute break, 2:25–2:30)

0. Outdoor Education Ad-hoc Committee (Faith-Heuertz, Parsons, Dooling). @2:30. Draft framework reviewed Faith-Heuertz. Goal is to provide resources rather than develop new curricula. Barton asks how framework interacts with job description for Outdoor Specialist, and notes that it should be phrased in a way that supports math & science curriculum. Chaudhary notes that the specialist would integrate with existing programs. Next steps need to wait until after Outdoor Specialist is hired and acclimated to MSB and MSAC before moving into forming a new committee. Parsons and Chaudhary suggested there is a sense of frustration with other groups feeling that nothing is happening.

Parsons moved @2:52 to form a permanent ad hoc support committee after specialist is hired and use this framework as a guiding document. Dooling seconded. Approved.

0. Next Meeting Details @2:54. Oemig says MSAC has a 3-hour meeting on Dec. 2, 9 a.m.–12 p.m. Chaudhary will give his report. Advocacy subgroup will report on postcard/letter plans. Nominations taken for co-chairs since Parsons' term is expiring: Oemig nominates Barton. December will include on-boarding five new MSAC members. Committee appreciation for leadership and counsel of members rotating off MSAC.
0. Members share updates @3:10.
0. Sunshine and Blues, reflection on meeting. Parson complimented collaboration between career and CS teams.

Leonard moved to adjourn @3:23. Dooling seconded. Adjourned.