

Math and Science Advisory Council
Thursday, September 10, 2015
10:00am to 4:00pm
Explora

Minutes

10:10am meeting

Karl, Suzanne J (arrived late), Alexei, Karen, Selena, Zach, Hy

Guests: Lesley G, Marcia B, NM PED

Thoughts about the meeting.

Called to order. Agenda, reviewed. Any questions? Hy moves to approve, Karl seconds. Approved.

Minutes will be discussed in e-mail.

MSAC is appreciative of Joe Hastings & Explora for their hospitality. Explora is closed for maintenance.

Karl moves to modify the order of the agenda, items 4/5 to be swapped. Hy seconds. Approved.

Icebreaker activity

Roundtable: Reflection on meeting w/ Sec. Skandera. What are your thoughts? Where do we go next?
(Suggestion—this may go into “activities of the msac” as part of the report to PED)

Background: In 2014 year, MSAC decided to try to meet w/ Sec Skandera; gave presentation to Sec Skandera on 8/26.

Hy: Sec was very engaged, wants to get us more involved in analysis of data; wants us to identify some specific strategic/tactical goal for STEM for PED. I want to identify an easy low-hanging fruit goal.

Marcia: Sec was totally engaged, positive attitude, some specific data about teacher PD.

Alexei: Also positive. Clear that the strategic framework was thought of positively. Should build up and develop the strategic framework.

Karen: Ditto, surprised as to how engaged Sec Sk was, thought she might be more distracted by other external issues at the time. She clearly wants council to try to figure out/create measurable data points/outcomes in the “impacts” in the strategic framework. Quantitative goals.

Lesley: First time she’s seen the guys in suits and ties, and the ladies were color coordinated. Lesley not surprised by engagement. In Spring/Summer, STEM has risen higher in pecking order, part of it due to outside groups that have given input to Sec Sk w/r/t importance of STEM. Maybe workforce issues; Lesley socializing; needs of math/sci teachers; STEM symposium & energy—all give Sec Sk positive reinforcement. STEM has unique community/culture that PED doesn’t quite understand, and as Sec Sk learns about it, she is positive.

Selena: Praising the sec. for good policy, NGSS focus group, etc. This is really positive. We said “we can help w/ bottom up”, and this helps Sec Sk. We need to think about the role of council. We need to think about how we continue. We do have the opportunity to meet w/ assessment bureau & discuss what data to see. We need so much more than our group—how do we engage the others?

Zach: Group did a fantastic job, just the presence of the group there. Sec Sk was very willing to engage in conversation. Opportunity to engage in a profound way, but what’s realistic & what’s the real charge. Think about between now & November.

Suzanne: Meeting was very positive, didn’t know what to expect, but fulfilled expectations of great meeting, Sec Sk fully engaged, good questions/conversations, re-emphasized need for data driven decisions and some of our needs for better data. Hope that we can get a deeper dive to look at data. Sec Sk appears to want more engagement from MSAC; recognizes that we look at data.

Nader: Looking at us for ammunition for help that this is the right decision with data and evidence. We need to move from recommendations to implementation.

Karl’s comments: We are the volunteer group trying to get other orgs involved, we have arrows pointing the direction, getting them involved.

Some discussion roundtable about measuring impact to community of funding STEM initiatives.

PED updates:

Handout, additional funding for STEM recruiting stipends, continuing ed; also funding for STEM/special ed/and others.

STEM symposium 2016 June 3,4. Maybe June 2 as preconf short courses. PED IT folks will work with hotel on technology issues.

Math support, practices updates.

Making sense of science updates. Contract w/ WestEd to train facilitators last year, 24 facilitators in energy & 24 in matter. WestEd is “train the trainer” model—building capacity.

PED contracted w/ different part of WestEd to assess outcomes from “Making Sense of Science”; report distributed.

MSAC report—needs to be to PED by no later than middle of October. We pick “draft to Lesley by 10/19”. Lesley will review, and go back to small writing group if any issues.

Collective impact report:

Collective impact team has secured time with LESC; Oct 28-30 timeframe. Looking at data & policy recommendations w/r/t STEM ready teachers, pre-service, K12, college stem prep, etc. to LESC.

Discussion about pieces to put STEM hub & NMPMSE statewide STEM coalition; NMPMSE has commissioned white paper thru NM First to look at statewide hub-forming.

People are interested about MSAC report, so if we publish framework into the report, it's automatically part of the conversation.

Discussion about the charter/vision/mission of MSAC.

Work session on the report. Two groups.

Work group 1: Framework.

Re-use Alexei's introduction; talk specifically about systemic problems that require a different approach. Data shows this. Evidence of progress. Framework; advocating for a unified vision for stakeholders. 1-pager that speaks to this. "Strategic Vision for Improving STEM Educ in NM". Problem statement: Math/Sci data shows we have a problem. Purpose is to bring document that frames "STEM ready strategic framework for NM. Centerfold, details, summary, move into data. Summary is hit twice in the report.

Workgroup 2: Activities of MSAC, stakeholders, etc.

We updated our activities. We would like to furnish a copy of the MSAC report to everyone who is mentioned.

Go over who owns what action items & what dates.

9/25/15—Marcia receives subsections of report

10/1/15—Marcia sends collated and combined document back to MSAC for "holistic view"

10/8/15—Virtual group discussion/group edits due to Hy

10/14/15—Hy sends compiled edits back to group

10/18/15—Hy sends to Marcia if no further objections.

For Nov or Dec meeting: Could we do a retreat during that time frame, to meet, engage, and integrate the 4 new members? Doodle poll, Fri/Sat option, or single day Fri option?

3:35pm Karl moves to adjourn, Suzanne seconds, all in favor. Round of applause to Joe Hastings for his virtual hospitality.