

MSAC meeting 11/6/2014

Zach called to order at 10:10am

Attendees: Lesley Galyas, Marcia Barton (PED); Malva Knoll, John Bellum, Zach Leonard, Nader Vadiie, Karen Kinsman, Selena Conneally, Karl Agar, Alexei Petsov, Hy Tran, Charlie Walter. No guests.

Charlie welcomed to the museum. Charlie will move to San Antonio, will forward information on his contact, but has opportunity to start a new Children's museum. Charlie will start 12/1/2014

Malva moved to approve agenda; Charlie seconds. No discussion, agenda approved.

Approval of minutes. Minutes were sent; Karen moves; Alexei seconds. No discussion. Minutes approved.

Logistics/setting the stage

- Facilitation: Zach & Selena, Karen is timekeeper, Hy is recorder
- Team-building exercise
- Develop group norms: Just a reminder—get from Zach
- Parking lot—(LSS type thing)
- Selena hands out draft of report including statutory language on MSAC. Discussion about NM PED strategic plan for science and math. PED's funding is still year-to-year for the Math & Science Bureau specialists. Discussion about roles/responsibilities of council & relationship with NM PED MSB.
- Professional learning ideas for next meeting. As we go thru meeting, what do we want to learn. 2/23/15-Speaker on informal learning at NMMNHS. Jamie Bell, Center for Informal Science Education? Presentation about licensure for teachers, continuing education requirements? White papers from individual members of MSAC?

Marcia on legislative report: Everyone already has a draft of the "meat" of the report (handed out). Process is very smooth this year. Report is at the chief editor, and no more changes (except for things such as "hash marks" instead of color, major spelling errors). In 2015, all SBAs will be PARCC. This year will be bridge assessment. Figure 1, as in general, show 5 yrs of data. As Marcia gets next years' data, she drops off the oldest year and adds newest data. This year's report includes disaggregated data (separated by subgroups). Similar information on science proficiency in Figures 3/Table 3, etc. Science is still SBA (no PARCC for science yet for a number of years). After chief editor, back to Leslie, then, to deputy secretary etc. up the line, then printing & legislature.

Discussion about digging into the findings. Selena breaks into 4 groups—2 small groups dig into math, 2 small groups dig into science, then pull into big group. One key finding--< 50% of students are proficient. Nuances of the finding?

Group 1: math

Group 2: math

Group 3: sci

Group 4: sci

Charge of group: Look at statistics & key findings. 20 minutes.

Groups report.

PED updates:

Documenting how science counts in current system. It is tested 3x/year; not much before 4th grade.

There is a graduation requirement, SBA in 11th grade. 4th and 7th for teacher evaluation.

Unfortunately, only 3 units of science, only 2 require lab; most of US requires 4 units of science.

Algebra/Algebra II. All schools have to make available Algebra 1 for 8th graders. Issue: Not giving HS credit for 8th grade Algebra 1? How do you count 4 units of math in HS? Is 8th grade Algebra 1 as rigorous as HS Algebra 1? Should “pre-Algebra” in HS count as a HS math credit. Magnet schools, charter schools, etc.—how does this all integrate? Also, Algebra 2 waiver. In statute, parent can sign waiver saying that “I don’t want my child to take Algebra 2”, student is waived. However, Algebra 2 is part of the competency requirement for graduation. Summary: HS credit for 8th grade Algebra 1, certified teacher or not? If have HS credit, should still add 4 units in HS? Algebra 2 waiver?

New MSAC members: Contacted some recommendations. Having hard time finding teachers, and more so administrators.

NMSTA PD (11/15/14) in Albuquerque announcement

Karen Kinsman collective impact report. Handed out STEM Action Planning workgroup.

Lunch: Visit to stegomastodon

MSAC articles/learning

Planning future work of MSAC. Chunking the 2013 report recommendations into “big chunks” in the 2014 report—the 5 pieces, equity, high stds, coherent systems, environments to support STEM, strong ecosystem.

Organizing the planning—what is the framework to establish/follow? Handout on various organizing frameworks. Discussion on whether or not this is a useful model.

Reorganizing the 2014 critical issues/recommendations into a logic framework system, following Texas Early Learning model.

Take pictures of the walls & capture into minutes.

Adjourned reasonably-on-time shortly after 4pm by unanimous agreement.