**Minutes for Science Adoption Committee**

**8/31/11**

**1.Membership Introductions and Meeting dates**

**Present:** Megan Lee, Chair, Tess Light, Parent Representative, Pam Miller, Barranca Principal, Joline Keeler, Fourth Grade Teacher, Barranca, Naomi Unger, 7th grade Science, Katie Watson, PEEC Director, Stephanie Mitchell, High School Science, Ryan Ross, Sixth grade teacher Pinon, and Barbara Jo Mullins, Eighth Grade Science

* 8/31
* 10/12 1:30-3:30 Location TBD
* 12/14 1:30-3:30 TBD
* 2/8 1:30-3:30 TBD
* 3/14 1:30-3:30 TBD

**2. Review Purpose of committee:**

**The goal of the science committee will be:**  
to identify existing resources, research based and PED approved teacher and student resources that align with the current New Mexico Standards, participating schools.

To ensure that we commit to providing resources towards for discovery learning as described.

“Discovery learning is an inquiry‐based learning method, where students use past experiences and existing knowledge to solve problems and discover facts and relationships. Students explore, perform experiments, and ask questions. As a result, students may be more likely to remember concepts and newly obtained knowledge. Discovery learning encourages active engagement. It promotes motivation, autonomy, responsibility, and independence. It develops creativity and problem solving skills.”  
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Bruner, J.S. (1967). On knowing: Essays for the left hand. Cambridge, Mass: “Harvard University Press.” [http://www.learning‐](https://198.59.98.100/owa/UrlBlockedError.aspx" \t "_blank)theories.com/discovery‐learning‐bruner.html

3. **Time commitment and flextime agreement** 2 hours of after hours work for every meeting. Up to 10 hours with other principal or coordinator approval if it exceeds the time and is agreed upon in advance. Megan did inform group that if there was more work to be done she would communicate that to building principals and ask for approval.

**4. Review timeline**

1. Meet go over guidelines August

2. Review current curriculum and alignment map before 10/12

3. Create needs survey September

**4. Distribute, collect and submit to CC, Megan by first week October**

5. Review, analyze and share findings 10/12

**6. Try to secure release time for I3 alignment day**

7. Create rubric for desired materials, considering 21st Century needs and I3 schools at 10/12 meeting

**Some teachers, committee members may attend state science meeting in Farmington on 10/20,21, 22 NMSTA**

**8. Try to secure funding for a ½ day or all day vertical alignment day, Nov.,Dec.**

7. Select certain materials to pilot before 12/14

8. Review and study adopted curriculum, supplemental and core, 12/14, 2/8

9. Those piloting will debrief on findings, we will decide at last meeting on materials for purchase 3/14

**Link to information:**

[**http://www.ped.state.nm.us/instructionalmaterial/index.html**](http://www.ped.state.nm.us/instructionalmaterial/index.html)

**http://www.ped.state.nm.us/InstructionalMaterial/regulations.html**

[**https://lapsscienceadoption.wikispaces.com/**](https://lapsscienceadoption.wikispaces.com/)

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| **Katie** | **Delegated to:** | **Completed by:** | **Resources needed:** |
| **Create needs survey** | Megan and Stephanie | 9/12, meeting hopefully after school on Tuesday, 9/6/11 | Computers and desired questions, combuter based survey |
| **Review current curriculum and alignment maps** | All committee members will do alignment map review | 10/12 | Current maps and guides |
| **K-4, 5-6 Alignment to I3** | K-2, Megan potentially Guy and Allen,  3-4 Pam and Joline, 5-6 Ryan | 10/12 | Current Maps and alignment guides |
| **7-8** | Grade 7 Naomi  Grade 8 Barbara Jo | 10/12 | Current Maps and alignment guides |
| **Physics** | Stephanie, Rachel and Carter | 10/12 | Current Maps and alignment guides |
| **Biology** | Stephanie, Rachel and Carter | 10/12 | Current Maps and alignment guides |
| **Chemistry** | Stephanie, Rachel and Carter | 10/12 | Current Maps and alignment guides |
| **Other HS AP?** | Health, Barbara Jo and Naomi will ask Coach Brousseau | 10/12 | Current Maps and alignment guides |
| **Review Adopted materials** | Same as above designated grade level s | By December, ongoing when finished reviewing alignment | PED info, sample materials, |
| **Review Supplemental** | Same as above designated grade levels | October to March, | PED info Sample Materials |
| **Select and identify publishers** | Megan will contact reps for samples, NMSTA attendees will also submit interest | October to March, | Sample materials, textbooks, etc. |
| **K-4, 5-6 Alignment to I3** | Ryan, Joline, Pam and Megan | October to March, | I3 information from I3 |
| **7-8** | Naomi and Barbara Jo | October to March, | Sample materials |
| **Physics** | Stephanie, Rachel and Carter | October to March, | Sample materials |
| **Biology** | Stephanie, Rachel and Carter | October to March, | Sample materials |
| **Chemistry** | Stephanie, Rachel and Carter | October to March, | Sample materials |
| **Other HS AP?** | Stephanie, Rachel and Carter | October to March, |  |
| **Summarize research of effective science practice** | Tess Light,  Megan Lee | 10/12 to share with group 10 minutes | Document from PED |
| **Teacher Effective Studies from PED** | Katie Watson | To present at 10/12 meeting | Document from PED |
| **Technology info/research case studies, in NM and nationwide** | Megan Lee  Anyone else interested | ongoing | Various sources, PED, national research |

**Next meeting is 10/12:**

1)At 10/12 committee members will give 5 minute presentation on findings of current alignment and curriculum map, what’s working well, what is not working well and what recommendations for future curriculum

Subcommittee will report out status of I3 if any findings/recommendations

2) Presentation of research by Tess and Katie PED related information Effective Research and Teacher Studies

3) Megan and Stephanie will present survey findings

4) Committee will develop survey

5) Committee will identify next steps