Montana Math and Science Teacher Initiative

Statewide Transformation in STEM Education

Monday, 2 August 2010

Carroll College ~ Helena, MT

AGENDA

Monday, 2 August 2010

10:00 A.M. Welcome: *Dean Paula McNutt, Carroll College*
Opening Remarks: *The Honorable Governor Brian Schweitzer*
Overview and Introductions: *President George M. Dennison, The University of Montana and President Waded Cruzado, Montana State University*

10: 30 A.M. Special Guest Speaker – The Importance of STEM Education and MMSTI: *Howard Gobstein, Co-Director, Executive Officer and Vice President of Research, Innovation and STEM Education, The Science and Mathematics Teacher Imperative sponsored by The Association of Public and Land-grant Universities*

11:00 A.M. Montana Math and Science Teacher Initiative (MMSTI) Updates:

- MMSTI Road Map: *Provost Royce Engstrom, The University of Montana*
- State-Wide Systematic Data Collection - Annual Production by Major: *Tricia Parrish, The University of Montana*
    - Teacher Education Graduates
    - Future Forecast – Impact of Teacher Retirement
- Elementary Math Coaching: *David Yopp, Montana State University*
- Enhancing Broadfield Majors and Minors: *Elisabeth Swanson, Montana State University*
- Missoula County-Wide Professional Development Academies – 2010 STEM Summer Experience: *Tricia Parrish*
- Race to the Top: *Dennis Parman, Office of Public Instruction*
- Updates on the Montana Digital Academy: *Robert Currie, The University of Montana*

12:30 P.M. **LUNCH**

1:15 P.M. 2010 Science Mathematics and Teacher Imperative Conference – Cincinnati, Ohio: *Howard Gobstein*

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Statewide Transformation in STEM Education

Continued…

1:45 P.M. Scaling up MMSTI for Statewide Impact

Plenary Session

Creating a Communications Plan: *University Executive Vice President, Jim Foley – The University of Montana*

Concurrent Breakout Sessions:

I. Designing and Implementing a Statewide Comprehensive Assessment System: *Representative from OPI & Representative from Montana Council of Deans of Education*

   Objectives:

   - Develop strategies to increase the ability of Montana to deliver a comprehensive assessment system consisting of (a) formative, (b) interim, and (c) summative assessments;
   - Identify components needed to create a framework for teacher evaluation at the state level: Teacher accountability and System accountability;
   - Discuss and identify obstacles in implementing statewide comprehensive assessment system;
   - Suggest next steps/strategies for subcommittee work.

II. Teacher Preparation and Professional Development – Creating Seamless Systems to Prepare and Support Highly Effective Teachers: *Representative from OPI & Representative from Montana Council of Deans of Education*

   Objectives:

   - Develop strategies to create a common definition of "Highly Effective Teachers";
   - Identify components of teacher preparation and professional development that will strengthen student content: Curricular and pedagogical approaches, integration of technology into classroom instruction, equity and excellence;
   - Discuss and identify obstacles in preparing teachers to work in large urban settings and small rural settings;
   - Suggest next steps/strategies for subcommittee work.

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Concurrent Breakout Sessions:

III. Building New Partnerships to Sustain School Improvement: *Jim Foley*

Objectives:

- Develop strategies to recruit partners;
- Identify components critical to developing a well-defined and well-managed school-based partnership;
- strategies to recruit partners;
- Discuss how new partnerships will enhance student learning and how progress will be measured;
- Suggest next steps/strategies for subcommittee work.

3:00 P.M. Report on Breakout Sessions: *Waded Cruzado/GMD (?)*

3:45 P.M. The Future of MMSTI: *George M. Dennison*

- Budget Projections
- Next Steps
- Evaluations/Survey (?)

4:00 P.M. Adjourn

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