Oklahoma Standards Steering Committee Meeting Oklahoma State Regents for Higher Education Oklahoma State Regents Board Room 655 Research Parkway, Suite 200 Oklahoma City, Oklahoma

February 16 - 17, 2015

The Steering Committee and the State Board of Education met in a joint session at 11:16 a.m. on Monday, February 16, 2015, in the Regents' Conference Room at 655 Research Parkway, Suite 200, Oklahoma City, Oklahoma.

Members of the Oklahoma Standards Steering Committee present:

Ms. Amy Anne Ford, Chairman of Standards Steering Committee Chancellor Glen D. Johnson, Oklahoma State Regents for Higher Education Superintendent Joy Hofmeister, Oklahoma State Superintendent of Public Instruction Secretary Deby Snodgrass, Executive Director and Secretary of Commerce and Tourism General Lee Baxter, Oklahoma State Board of Education Member

Ms. Barbara Bayless (via phone), Reading Specialist, Choctaw Public Schools

Ms. Elaine Hutchinson, Resident Math Specialist, Fairview Public Schools

Mr. Don Raleigh, Superintendent of Pryor Public Schools

Dr. Marcie Mack, Executive Director of Oklahoma Department of Career and Technology Education

Dr. William Radke, Executive Director of Oklahoma Standards Steering Committee

Members of the State Board of Education present:

Ms. Amy Anne Ford, Chairman Superintendent Joy Hofmeister General Lee Baxter Mr. William "Bill" Price

Call to Order and Roll Call

Chairman Amy Ford began the Oklahoma Standards Steering Committee Meeting. The Steering Committee met to hear presentations that provide suggestions for a process for Oklahoma to establish new Mathematics and English Language Arts standards.

Dr. Sandra Stotsky, Professor of Education Reform, Department of Education Reform, University of Arkansas; Dr. Jane F. Schielack, Associate Dean for Assessment and PreK – 12 Education, College of Science, Texas A & M; and Dr. Larry Gray, Professor of Mathematics, School of Mathematics, University of Minnesota presented to the Steering Committee.

Superintendent Joy Hofmeister introduced, Dr. Sandra Stotsky.

Dr. Stotsky's presentation was over Standards Development Committee Procedures.

Dr. Stotsky provided information of how the creation of standards occurred in Massachusetts in 2003.

- Steering Committee
- Executive Director (Paid)
- Document Scribes for each content area (Paid)
- Math and ELA Chairs (undergraduate teaching faculty in the arts and sciences at an accredited university or college that maintains graduate-level programs).
- Standards Development Committee District superintendents may nominate up to a total of 6 teachers for ELA and math subgroups (15 members for each group).

ELA Subgroup

- o ELA Chair
- o ELA Vice Chair
- o 4 PK-5th grade teachers
- o 4 Middle school teachers (6th-8th Grade)
- o 4 High school teachers at each grade level
- o 1 Librarian

Math Subgroup

- o Math Chair
- o Math Vice Chair
- o 4 PK-5th grade teachers
- o 4 Middle school teachers (6th-8th grade)
- o 4 High school teachers to include:
 - Algebra I teacher
 - Geometry teacher
 - Algebra II teacher
 - Precalculus or Trigonometry teacher
- 1 Engineer (nominated by a state engineering professional organization or university
- o Faculty)
- First Draft Review Committee (teachers)
- Second Draft Review (By Higher Education and Special Interest Groups)
- External Evaluation (The presidents, provost, and faculty of the 4 year colleges nominate two well-known or well published experts in each subject area.)
- Final Draft provided for a 45 day public comment.

Questions from the Steering Committee:

Timeline for Creation of Standards

Chancellor Johnson asked if there was sufficient time to submit a final recommendation for consideration by the Oklahoma State Legislature in 2016.

Response: Dr. Stotsky stated that there was time if Oklahoma began with good foundational standards documents.

Alignment of Standards and Textbooks

Response: Dr. Stotsky indicated that there is not a textbook adoption process in Massachusetts. She further commented that standards are established and textbooks are then chosen as appropriate.

Suggestions for Rebranding the Standards

Elaine Hutchinson asked Dr. Stotsky what advice she has to help the committee re-brand the standards.

Response: Dr. Stotsky indicated that there will be new ESEA requirements to consider.

How do we effectively implement high standards?

Also Superintendent Hofmeister asked Dr. Stotsky to share her experience in Massachusetts with her successful implementation of higher standards.

Response: Dr. Stotsky indicated there can be a need for staggered roll out but set the standards high; get the right standards; and when beginning the assessments aligned to the new standards, set a cut score and ratchet it up over time.

Chancellor Johnson introduced the next speaker, Dr. Jane Schielack.

Dr. Schielack presented, Overview of Mathematics Standards Development.

Groundwork for Change

Commissioner's Mathematics Advisory Group created in Fall 2010 (13 mathematics educators and mathematicians from Texas)

Texas Process for Creating Standards

Charge: Make recommendations for next generation of mathematics standards in Texas. Commissioner's Draft of the Texas Mathematics Standards reviewed by a National Review Committee and published in 2011.

State Board of Education Involvement

Mathematics Expert Reviewers identified in January 2011 (mix of 7 in-state and out-of state mathematicians and mathematics educators)

Charge: Review Commissioner's Draft for input to TEKS (Texas Essential Knowledge and Skills) Review Committee and review First Draft of Revised TEKS to provide feedback to TEKS Review Committee

Revision of Standards

TEKS Review Committees identified by State Board in May 2011

K-2: 1 university, 5 teachers, 7 district administrators, 2 others

3-5: 0 university, 2 teachers, 12 district administrators, 1 other

6-8: 1 university, 8 teachers, 4 district administrators, 2 others

9-12: 3 university, 17 teachers, 12 district administrators, 10 others

Charge: Revise current TEKS to next-generation of standards using:

- Commissioner's Draft and Experts' comments
- NCTM Focal Points (K-8) and Focus in High School Mathematics
- Current research in mathematics learning

Revision of the Standards

Timeline: 11 months

- May 2011: 3 day meeting (Members sought input from local groups.)
- July 2011: 5 day meeting (major writing effort)
- October 2011: 3 day meeting (including vertical alignment)

Responsibilities:

- o Identification of strands
- Grade placement of standards
- Vertical alignment (formation of topic groups)
- Validation as College and Career Ready

Adoption & Implementation

- Review by assessment group at state education agency
- Review by state education agency for college and career readiness
- First reading at State Board, January 2012
- Second Reading and Adoption, April 2012
- K-8 implemented Fall 2014
- 9-12 implemented Fall 2015

Support for Implementation

- Creation of five-year professional development plan, made concurrently with standards revision
- Design and implementation of PD for new standards including: Side-by-side comparison, current standards to new standards

Issues that will arise

- Staying within the timeline
- Managing vertical integration
- Making decisions such as:
 - How to include mathematic thinking in the standards
 - o To what extent to include instructional guidance/examples
 - o How to connect to assessment (both formative and summative)

Suggestions for Improvement

- Specific targets for committees, but flexible process to achieve targets
- Grade level bands that enhance vertical alignment:

- o PK-1
- o Grades 2-4
- o Grades 5-8
- o Grade 9-12
- SMALL working groups to produce the writing with input from and feedback to the larger committees

Questions

Mathematics Process and Content Standards

Elaine Hutchinson asked how Texas addresses mathematics processing and content standards. **Response:** Dr. Schielack responded they have new testing that just went into place. So she is not sure how process and content standards will be reported.

What Targets Need to Meet Oklahoma Deadline?

Chancellor Glen Johnson asked Dr. Schielack what targets we need to meet for our deadline at the end of year.

Response: Dr. Schielack said at this point it is doable depending on what you start with and that you should have a good version to send to your constituents. This allows them to respond and you incorporate their feedback.

Revision of Standards Committee Members

A question was asked regarding Revision of Standards slide: Under K-2 there is one university but under 3-5 grades there is none.

Response: Dr. Schielack stated committees have to fulfill geographic regions and ethnic diversity. The job description is the least concern. There was no one who fit the 3-5 slot. This committee seems to be the weakest. She said people have passion for elementary and middle school but not grades 3-5.

Feedback Suggestions

Another question asked was if there are any suggestions regarding the feedback piece. **Response:** Dr. Schielack responded that they used federal money for the feedback piece. She said to make sure the information gets to leadership and leaders get it to their constituent groups.

Elaine Hutchinson introduced the final speaker, Dr. Larry Gray. Dr. Gray presented *Creating K-12 Standards that Work*.

Successful Standards are Like a Gourmet Dish Quality Ingredients

- Committee Co-chairs one from Higher Ed and one from K-12
 - Provides both content expertise and links to K-12
- **Committee chairs, content experts** (many grade levels; representatives of urban and rural), **writers** subset of larger committee with broad & deep content knowledge; vertical and horizontal integration), **consultants** (content and education

- experts, assessment staff), **other stakeholders** (parents, teacher associations, business/industry)
- Definitions and Expectations (College and/or Career Readiness; purposes and audiences for standards, structure of standards document; criteria for standards quality)
- Resources to be Considered for Oklahoma Math Standards Curriculum Focal Points (NCTM) American Diploma Project Standards (Achieve); Principles and Standards (NCTM); Legislative Requirements; Previous Standards; ACT Standards; Standards of one or two other states

Expert Preparation – Ongoing feedback

Carefully Planned Presentation – public comment online; town halls; expert review; review by higher education; legislature; teacher conventions; FAQ document and Standards Webpage. Get buy-in!

Knowledgeable Appreciation – Frameworks (MN); data systems; professional learning communities; time and patience; it's all about the teachers.

Who Is The Chef?

State Education Commissioner
Aided by the State Department of Education

What Oklahoma Has Going For It

Previous experience with PASS Good people in charge who want to find out how to do it right Workable legislation

Questions:

Back-mapping from 8th grade content

Superintendent Hofmeister asked a question regarding back mapping and what steps can be taken to achieve high achievement at the 8th grade level (Algebra I).

Response: Dr. Gray responded that we will need to train our elementary teachers (start the strand in kindergarten).

Graduation Requirements in Minnesota

Response: Dr. Gray stated, that they do not have end of instruction tests. They considered it but backed away from it. He said it is a bad idea to impose more than one requirement on a test.

8th Grade Algebra I

Another question was asked about teaching Algebra I to all 8th grade tudents and how to adjust standards regarding 8th grade.

Response: Dr. Gray said you rewrite them. Curriculum focal points were really helpful and allowed them to be more efficient. He said take data analysis out of 8th grade and move it to high school.

Data Systems and Standards

Someone else posed the question of how do you match standards.

Response: Dr. Larry Gray said the state works with districts. The framework document has test questions. Each district learns from each other and develops data systems.

Adjournment

Superintendent Hofmeister adjourned this meeting at 3:17pm on February 16, 2015; reconvened on February 17, 2015 at 9:00am and was adjourned at 12:00 noon.