

# STATE BOARD OF EDUCATION

**HEARING TYPE:**      X   INFORMATION/NO ACTION

**DATE:**               **July 19-20, 2007**

**SUBJECT:**           **Review of Science Standards**

**SERVICE UNIT:**     Edie Harding, Executive Director  
State Board of Education

**PRESENTERS:**       Dr. Kathe Taylor, Policy Director  
State Board of Education

## **BACKGROUND:**

The legislature has asked the Board to engage in a review process for science similar to the math standards review. The Board will:

- » Review science standards
- » Recommend revisions to the Essential Academic Learning Requirements (EALRs) and Grade Level Expectations (GLEs) in science
- » Provide official comment and recommendations to the Superintendent of Public Instruction (SPI) about science curricula that the SPI will present to the Board

Deadlines and tasks for the Board are outlined below.

**June 30, 2008.** The legislature has asked the Board to recommend to the Superintendent of Public Instruction EALRs and GLEs in science. The recommendations are to be based on:

- » Considerations of clarity, rigor, content, depth, coherence from grade to grade, specificity, accessibility, and measurability;
- » Study of standards used by three to five other states and in countries whose students demonstrate high performance on the trends in international mathematics and science study and the Programme for International Student Assessment (PISA); and
- » Consideration of information presented during public comment periods.

To accomplish this work, the Board will hire a national consultant to conduct the independent review of the science standards, and appoint a science advisory panel consisting of K-12 and higher education science educators, scientists, parents, and business representatives.

**December 1, 2008.** The Superintendent of Public Instruction will use the recommendations to revise the EALRs and the GLEs for science and present the

revised standards to the Board and to the Senate and House Education Committees.

**May 15, 2009.** The Superintendent of Public Instruction will present to the Board no more than three basic science curricula each for elementary, middle and high school grade spans.

**June 30, 2009.** The Board will provide official comment and recommendations to the Superintendent of Public Instruction regarding the recommended science curricula.

### **SCHEDULE FOR REVIEW OF SCIENCE STANDARDS AND CURRICULUM**

Following is the projected schedule for accomplishing the tasks that will help the Board meet the deadlines and accomplish the review of science standards and curriculum.

<b>July 2007</b>	Write RFP for a national consultant to assist with the standards review
<b>August 2007</b>	Advertise the RFP
<b>September 2007</b>	Contract with consultant and solicit names for science advisory panel
<b>October 2007</b>	Appoint 16-member science advisory panel
<b>October 2007 – February 2008</b>	Consultant completes review process and meets with science advisory review panel at least three times
<b>March 2008</b>	Convene public hearings and focus groups on recommendations
<b>June 2008</b>	Board makes recommendations to OSPI on standards (EARLs and GLEs)
<b>June – October 2008</b>	OSPI writes actual standards (EARLs and GLEs) for each grade level
<b>November 2008</b>	OSPI presents standards to the Board
<b>January 2009</b>	OSPI presents to SBE and Ed. Committees of House and Senate new standards
<b>January-April 2008</b>	OSPI develops curricula menu for standards and shares with science advisory panel for review
<b>May 2009</b>	OSPI presents curricular menu to SBE for comment
<b>June 2009</b>	Board provides official comment and recommendations to OSPI on curricula suggested