

**Report of the State Board of Education
Committee of the Full Board
March 26, 2009**

The State Board of Education Committee of the Full Board met at 9:05 a.m. on Thursday, March 26, 2009, in the State Board of Education Room, #1-104, of the William B. Travis Building, 1701 N. Congress Avenue, Austin, Texas. The following members of the committee were present:

Presiding: Don McLeroy, chair; Rick Agosto, Lawrence A. Allen, Jr., David Bradley, Barbara Cargill, Bob Craig, Cynthia Dunbar, Pat Hardy, Terri Leo, Gail Lowe, Ken Mercer, Geraldine Miller, Rene Nuñez

State Board of Education committee member, Mavis B. Knight, participated in the meeting through videoconferencing capabilities at Region 10 Education Service Center, TETN Kaufman Room (Ground Floor), 400 East Spring Valley Road, Richardson, Texas.

Absent: Mary Helen Berlanga

Public Testimony

This item provides an opportunity for the public to present testimony at the time the related item comes up for committee discussion or action. The procedures for registering and taking public testimony at State Board of Education committee meetings and general board meetings are provided at <http://www.tea.state.tx.us/index4.aspx?id=3958> or in the information section (yellow pages) of the agenda.

The Committee of the Full Board heard public testimony on agenda items #2, #3, #4, #6, and #10. Information regarding the individuals who presented public testimony is included in the discussion of that item.

DISCUSSION ITEMS

**1. Commissioner's Comments Regarding the SBOE
Agenda and Legislative Activity
(Board agenda page I-89)**

Commissioner of Education Robert Scott said the legislature is in full swing with a number of education bills advancing through the process. He noted that some bills, such as SB3/HB3 propose changing high school graduation plans, which would impact agenda items before the State Board of Education. The commissioner said the federal stimulus package is also attracting a great deal of interest from state legislators.

2. Discussion of Career and Technical Education (CTE)

Review Panel Recommendations

(Board agenda page I-91)

Karen Batchelor, unit director, enrichment curriculum, introduced Robin Painovich, chair of the CTE Review Panel. Ms. Painovich provided an overview of the general recommendations for CTE course review from the review panel.

Committee members asked questions regarding CTE courses recommended for the fourth mathematics and/or science credit. Mrs. Batchelor explained that courses listed in the memorandum regarding CTE course considerations for the fourth mathematics and/or science graduation credit were recommendations from the writing teams. She also indicated that the CTE review panel may have recommendations regarding courses that could count for mathematics, science, and other graduation requirements. Mrs. Batchelor reminded the committee that they have discretion regarding which courses to adopt for mathematics, science, or other graduation credits.

Public testimony was provided by the following individuals:

NAME: Steve Forsythe
AFFILIATION: Teacher, Lampasas Independent School District

NAME: Kyle McGregor
AFFILIATION: Agriculture, Food and Natural Resources,
Tarleton State University; and
TEKS CTE Writing Team Member

**3. Discussion of Proposed Revisions to 19 TAC Chapter 127,
Texas Essential Knowledge and Skills for Career Orientation,
Subchapter A, Middle School, and Subchapter B, High School**

(Board agenda page I-97)

Mrs. Batchelor explained that the proposed Texas Essential Knowledge and Skills (TEKS) for Career Orientation have been revised and will be renamed TEKS for Career Development. Committee members sought confirmation that the proposed courses are more rigorous than in the past.

Public testimony was provided by the following individual:

NAME: Deborah Parrish
AFFILIATION: Self

Mrs. Miller asked agency staff to explore the option of making a visual interest inventory available to students.

4. **Discussion of Proposed New 19 TAC Chapter 130, Texas Essential Knowledge and Skills for Career and Technical Education**

(Board agenda page I-111)

Mrs. Batchelor presented the item. She explained that the 16 clusters will fall under the new 19 TAC Chapter 130, and 19 TAC Chapters 119 to 125 will need to be repealed.

Public testimony was provided by the following individuals:

NAME: Cathy Seeley
AFFILIATION: Senior Fellow, Charles A. Dana Center, U.T. Austin

NAME: Allen Kaminski
AFFILIATION: CTE Director, Sealy High School; and
TEKS CTE Writing Team Member

NAME: Jim Quinten
AFFILIATION: Automotive Parts & Services Association

Committee members expressed interest in considering the Advanced Mathematical Decision Making course introduced by Dr. Seeley as a possible CTE course for mathematics graduation credit.

ACTION ITEM

5. **Proposed Revisions to 19 TAC Chapter 112, Texas Essential Knowledge and Skills for Science, Subchapter A, Elementary, Subchapter B, Middle School, and Subchapter C, High School**

(Second Reading and Final Adoption)

(Board agenda page I-1)

[Official agenda item #3]

Anita Givens, associate commissioner, standards and programs, introduced the item.

MOTION: *It was moved by Mr. Bradley to recommend that the State Board of Education, by an affirmative vote of two-thirds of the members of the board, approve for second reading and final adoption the proposed revisions to 19 TAC Chapter 112, Texas Essential Knowledge and Skills for Science, Subchapter A, Elementary, Subchapter B, Middle School, and Subchapter C, High School, with an effective date of 20 days after filing as adopted with the Texas Register.*

MOTION: *It was moved by Mr. Mercer to amend the motion to adopt the proposed revisions by replacing the proposed language in subchapters 112.32, 112.33, 112.34, 112.35, 112.36, 112.37, 112.38, and 112.39 part (c)(3)(A) with the following: “(A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.”*

MOTION AND VOTE: *It was moved by Mr. Craig and seconded by Mrs. Miller to amend the current proposed language by adding to subchapters 112.32, 112.33, 112.34, 112.35, 112.36, 112.37, 112.38, and 112.39 part (c)(3)(A) the following language: “(A) analyze and evaluate scientific explanations using empirical evidence, logical reasoning and experimental and observational testing, including discussing what is not fully understood in all fields of science, so as to encourage critical thinking by the student.” The motion failed, with 6 members voting Aye and 8 members voting No, as follows:*

Aye: Mr. Allen Mrs. Knight
Mr. Craig Mrs. Miller
Ms. Hardy Mr. Nuñez

No: Mr. Agosto Ms. Leo
Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Ms. Dunbar Mr. Mercer

VOTE: *A vote was taken on the motion to amend the motion to adopt the proposed revisions by replacing the proposed language in subchapters 112.32, 112.33, 112.34, 112.35, 112.36, 112.37, 112.38, and 112.39 part (c)(3)(A) with the following: “(A) analyze, review, and critique scientific explanations, including hypotheses and theories, as to their strengths and weaknesses using scientific evidence and information.” The motion failed, with 7 members voting Aye and 7 members voting No, as follows:*

Aye: Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Ms. Dunbar Mr. Mercer
Ms. Leo

No: Mr. Agosto Mrs. Knight
Mr. Allen Mrs. Miller
Mr. Craig Mr. Nuñez
Ms. Hardy

The following amendments were carried by unanimous consent:

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.11 Science, Kindergarten by substituting the following in part (b)(4)(A):*

“(A) collect information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, and notebooks; timing devices, including clocks and timers; non-standard measuring items such as paper clips and clothespins; weather instruments such as demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as terrariums and aquariums; and”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.12 Science, Grade 1 by substituting the following in part (b)(4)(A):*

“(A) collect, record, and compare information using tools, including computers, hand lenses, primary balances, cups, bowls, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and timers; non-standard measuring items such as paper clips and clothespins; weather instruments such as classroom demonstration thermometers and wind socks; and materials to support observations of habitats of organisms such as terrariums and aquariums; and”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.12 Science, Grade 1 by adding the following words in part (b)(8)(C):*

“and day and night”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.13 Science, Grade 2 by substituting the following in part (b)(4)(A):*

“(A) collect, record, and compare information using tools, including computers, hand lenses, rulers, primary balances, plastic beakers, magnets, collecting nets, notebooks, and safety goggles; timing devices, including clocks and stopwatches; weather instruments such as thermometers, wind vanes, and rain gauges; and materials to support observations of habitats of organisms such as terrariums and aquariums; and”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.13 Science, Grade 2 by substituting the following in part (b)(7)(A):*

“(A) observe and describe rocks by size, texture, and color;”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.13 Science, Grade 2 by substituting the following in part (b)(8)(D):*

“(D) observe, describe, and record patterns of objects in the sky, including the appearance of the Moon.”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.14 Science, Grade 3 by substituting the following in part (b)(4)(A):*

“(A) collect, record, and analyze information using tools, including microscopes, cameras, computers, hand lenses, metric rulers, Celsius thermometers, wind vanes, rain gauges, pan balances, graduated cylinders, beakers, spring scales, hot plates, meter sticks, compasses, magnets, collecting nets, notebooks, sound recorders, Sun/Earth/Moon system models; timing devices, including clocks and stopwatches; and materials to support observation of habitats of organisms such as terrariums and aquariums; and”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.14 Science, Grade 3 by making the following addition in part (b)(6)(A):*

insert the word “mechanical” after the word “including”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.14 Science, Grade 3 by substituting the following in part (b)(6)(B):*

“(B) demonstrate and observe how position and motion can be changed by pushing and pulling objects to show work being done such as swings, balls, pulleys, and wagons; and”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.14 Science, Grade 3 by making the following substitution in part (b)(8):*

strike the words “in the Sun, Earth, and Moon system” and insert the words “among objects in the sky”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.14 Science, Grade 3 by adding the following in part (b)(8):*

“(D) identify the planets in Earth’s solar system and their position in relation to the Sun;”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.14 Science, Grade 3 by making the following substitution in part (b)(10)(B):*

strike the words “from the” and insert the words “in response to living in a certain”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.14 Science, Grade 3 by making the following substitution in part (b)(10)(C):*

strike the word “mealworms” and insert the word “frogs”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.15 Science, Grade 4 by substituting the following in part (b)(4)(A):*

“(A) collect, record, and analyze information using tools, including calculators, microscopes, cameras, computers, hand lenses, metric rulers, Celsius thermometers, mirrors, spring scales, pan balances, triple beam balances, graduated cylinders, beakers, hotplates, meter sticks, compasses, magnets, collecting nets, and notebooks; timing devices, including clocks and stopwatches; and materials to support observation of habitats of organisms such as terrariums and aquariums; and”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.15 Science, Grade 4 by making the following substitution in part (b)(6):*

strike the word “occurs” and insert the word “exists”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.15 Science, Grade 4 by inserting and substituting the following in part (b)(6)(A):*

insert the word “mechanical” after the word “including” and substitute the word “electrical” for “electricity”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.15 Science, Grade 4 by substituting the following in part (b)(6)(D):*

“(D) design an experiment to test the effect of force on an object such as a push or a pull, gravity, friction, or magnetism;”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.15 Science, Grade 4 by substituting the following in part (b)(8)(A):*

“(A) measure and record changes in weather and make predictions using weather maps, weather symbols, and a map key;”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.15 Science, Grade 4 by making the following substitution in part (b)(8)(C):*

strike the words “in the reflection of sunlight,” and insert the words “tides, seasons,”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.15 Science, Grade 4 by substituting the following in part (b)(9)(A):*

“(A) investigate that most producers need sunlight, water, and carbon dioxide to make their own food, while consumers are dependent on other organisms for food; and”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.16 Science, Grade 5 by adding the following in part (b)(4)(A):*

insert the words “spring scales” after the word “balances”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.16 Science, Grade 5 by adding the following in part (b)(6)(A):*

insert the word “mechanical” after the word “including”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.16 Science, Grade 5 by adding the following in part (b)(6):*

“(D) design an experiment that tests the effect of force on an object;”

MOTION: *It was moved by Mrs. Cargill to amend the current proposed language of §112.16 Science, Grade 5 by adding the following in part (b)(8):*

“(D) identify and compare the physical characteristics of the Sun, Earth, and Moon.”

MOTION: *It was moved by Mrs. Lowe to amend subchapters 112.32, 112.33, 112.34, 112.36, 112.37, 112.38, and 112.39 of the current proposed language by substituting the following in part (1)(B):*

“(B) demonstrate an understanding of the use and conservation of resources and the proper disposal or recycling of materials;”

MOTION: *It was moved by Mrs. Lowe to amend part (c)(3) of all proposed high school science TEKS to include the following language:*

“draw inferences based on data related to promotional materials for products and services”

This language will be substituted for the currently proposed (c)(3)(B) in subchapters 112.34 and 112.35.

This language will be substituted for the currently proposed (c)(3)(C) in subchapters 112.32, 112.37, and 112.39.

This language will be added as (c)(3)(B) in subchapter 112.36.

MOTION: *It was moved by Mrs. Lowe to amend part (c)(3) of all proposed high school science TEKS to include the following language:*

“communicate and apply scientific information extracted from various sources such as current events, news reports, published journal articles and marketing materials”

This language will be substituted for the currently proposed (c)(3)(B) in subchapters 112.32, 112.36, 112.37 and 112.39.

This language will be substituted for the currently proposed (c)(3)(E) in subchapter 112.34.

This language will be added as (c)(3)(B) in subchapters 112.33, 112.35 and 112.38.

MOTION: *It was moved by Mrs. Lowe to amend the current proposed language of subchapter 112.32, Aquatic Science by substituting the following in part (c)(3)(F):*

“(F) research and describe the history of aquatic science and contributions of scientists.”

MOTION: *It was moved by Mrs. Lowe to amend subchapter 112.34, Biology of the current proposed language by adding the following in part (c)(3):*

“(F) research and describe the history of biology and contributions of scientists.”

MOTION: *It was moved by Mrs. Lowe to amend the current proposed language of subchapter 112.35, Chemistry by substituting the following in part (c)(1)(A):*

“(A) demonstrate safe practices during laboratory and field investigations, including the appropriate use of safety showers, eyewash fountains, safety goggles and fire extinguishers.”

MOTION: *It was moved by Ms. Leo to amend the current proposed language of subchapter 112.36, Earth and Space Science by making the following substitution in part (c)(5)(B):*

replace “sources of heat” with “thermal energy sources.”

MOTION: *It was moved by Mr. Craig to amend the current proposed language of subchapter 112.36, Earth and Space Science by striking the word “the” before “Earth” in part (c)(6)(D).*

MOTION: *It was moved by Mrs. Lowe to amend the current proposed language of subchapter 112.37, Environmental Systems by substituting the following in part (c)(9)(G):*

“(G) analyze how ethical beliefs can be used to influence scientific practices such as methods for increasing food production;”

MOTION: *It was moved by Mrs. Knight to amend the current proposed language of subchapter 112.37, Environmental Systems by adding the following in part (c)(9):*

“Analyze and evaluate different views on the existence of global warming.”

MOTION AND VOTE: *It was moved by Ms. Leo and seconded by Mrs. Cargill to amend the current proposed language by adding to subchapter 112.34, Biology (c)(9) the following language: “(D) analyze and evaluate the evidence regarding formation of simple organic molecules and their organization into long complex molecules having information such as the DNA molecule for self-replicating life.” The motion carried, with 9 members voting Aye and 5 members voting No, as follows:*

Aye: Mr. Agosto Ms. Leo
 Mr. Bradley Mrs. Lowe
 Mrs. Cargill Dr. McLeroy
 Mr. Craig Mr. Mercer
 Ms. Dunbar

No: Mr. Allen Mrs. Miller
 Ms. Hardy Mr. Nuñez
 Mrs. Knight

MOTION AND VOTE: *It was moved by Mrs. Knight and seconded by Ms. Hardy to amend the current proposed language by striking (c)(7)(B) from subchapter 112.34, Biology. The motion failed, with 6 members voting Aye, 7 members voting No and 1 member voting to Abstain, as follows:*

Aye: Mr. Allen Mrs. Knight
 Mr. Craig Mrs. Miller
 Ms. Hardy Mr. Nuñez

No: Mr. Bradley Ms. Leo
 Mrs. Cargill Mrs. Lowe
 Ms. Dunbar Dr. McLeroy
 Mr. Mercer

Abstain: Mr. Agosto

MOTION: *It was moved by Dr. McLeroy and seconded by Mrs. Lowe to amend the current proposed language by adding to subchapter 112.34, Biology (c)(7) the following language: “(G) analyze and evaluate the sufficiency or insufficiency of natural selection to explain the complexity of the cell.”*

MOTION AND VOTE: *It was moved by Mr. Craig and seconded by Mrs. Miller to amend Dr. McLeroy’s proposed amendment by striking “sufficiency or insufficiency of natural selection to explain” and replacing it with the following language: “evolutionary explanation of.” The motion failed, with 6 members voting Aye and 8 members voting No, as follows:*

Aye: *Mr. Allen Mrs. Knight*
 Mr. Craig Mrs. Miller
 Ms. Hardy Mr. Nuñez

No: *Mr. Agosto Ms. Leo*
 Mr. Bradley Mrs. Lowe
 Mrs. Cargill Dr. McLeroy
 Ms. Dunbar Mr. Mercer

VOTE: *A vote was taken on the motion made by Dr. McLeroy. The motion carried with 8 members voting Aye and 6 members voting No, as follows:*

Aye: *Mr. Agosto Ms. Leo*
 Mr. Bradley Mrs. Lowe
 Mrs. Cargill Dr. McLeroy
 Ms. Dunbar Mr. Mercer

No: *Mr. Allen Mrs. Knight*
 Mr. Craig Mrs. Miller
 Ms. Hardy Mr. Nuñez

MOTION AND VOTE: *It was moved by Mr. Craig and seconded by Ms. Hardy to amend the current proposed language in subchapter 112.36 (c)(4) as follows: “(4) Earth in space and time. The student knows how Earth-based and space-based astronomical observations reveal ~~differing theories about~~ information about the structure, scale, composition, origin, and history of the universe.” The motion failed, with 6 members voting Aye and 8 members voting No, as follows:*

Aye: *Mr. Allen Mrs. Knight*
 Mr. Craig Mrs. Miller
 Ms. Hardy Mr. Nuñez

No: *Mr. Agosto Ms. Leo*
 Mr. Bradley Mrs. Lowe
 Mrs. Cargill Dr. McLeroy
 Ms. Dunbar Mr. Mercer

MOTION AND VOTE: *It was moved by Mr. Craig and seconded by Ms. Hardy to amend the current proposed language in subchapter 112.36 (c)(5) as follows: “(5) Earth in space and time. The student ~~understands~~ knows the solar nebular accretionary disk model.” The motion failed, with 7 members voting Aye and 7 members voting No, as follows:*

Aye: Mr. Agosto Mrs. Knight
Mr. Allen Mrs. Miller
Mr. Craig Mr. Nuñez
Ms. Hardy

No: Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Ms. Dunbar Mr. Mercer
Ms. Leo

MOTION AND VOTE: *It was moved by Mr. Craig to amend the current proposed language in subchapter 112.36 (c)(5)(B) as follows: “(B) investigate thermal energy sources of ~~heat~~, including kinetic heat of impact accretion, gravitational compression, and radioactive decay, ~~which are thought to allow and their role in protoplanet differentiation into layers and atmosphere and hydrosphere formation.~~” The motion failed, with 7 members voting Aye and 7 members voting No, as follows:*

Aye: Mr. Agosto Mrs. Knight
Mr. Allen Mrs. Miller
Mr. Craig Mr. Nuñez
Ms. Hardy

No: Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Ms. Dunbar Mr. Mercer
Ms. Leo

MOTION AND VOTE: *It was moved by Mr. Craig to amend the current proposed language in subchapter 112.36 (c)(8)(A) as follows: “(A) evaluate a variety of fossil types, ~~proposed~~ transitional fossils, fossil lineages, and significant fossil deposits with regard to their appearance, completeness, and rate and diversity of evolution ~~and assess the arguments for and against universal common descent in light of this fossil evidence.~~” The motion failed, with 6 members voting Aye and 8 members voting No, as follows:*

Aye: Mr. Allen Mrs. Knight
Mr. Craig Mrs. Miller
Ms. Hardy Mr. Nuñez

No: Mr. Agosto Ms. Leo
Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Ms. Dunbar Mr. Mercer

MOTION AND VOTE: *It was moved by Mrs. Cargill to amend the current proposed language in subchapter 112.36 (c)(4)(A) as follows: “(A) evaluate the evidence concerning the Big Bang model, such as red shift and cosmic microwave background radiation, and ~~the concept of an expanding universe that originated about 14 billion years ago,~~ current theories of the evolution of the universe including estimates for the age of the universe; and” The motion carried, with 11 members voting Aye and 3 members voting No, as follows:*

Aye: Mr. Agosto Ms. Hardy
Mr. Allen Ms. Leo
Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Mr. Craig Mr. Mercer
Ms. Dunbar

No: Mrs. Knight
Mrs. Miller
Mr. Nuñez

MOTION AND VOTE: *It was moved by Mrs. Cargill to amend the current proposed language in subchapter 112.36 (c)(6)(A) as follows: “(A) analyze the changes of Earth’s atmosphere that could have occurred through time from the original hydrogen-helium atmosphere, the carbon dioxide-water vapor-methane atmosphere, and the current nitrogen-oxygen atmosphere.” The motion carried, with 10 members voting Aye and 4 members voting No, as follows:*

Aye: Mr. Agosto Ms. Hardy
Mr. Allen Ms. Leo
Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Ms. Dunbar Mr. Mercer

No: Mr. Craig Mrs. Miller
Mrs. Knight Mr. Nuñez

MOTION AND VOTE: *It was moved by Mrs. Cargill to amend the current proposed language in subchapter 112.36 (c)(7)(B) as follows: “(B) ~~apply radiometric dating methods that can be used to calculate the ages of igneous rocks from Earth and the Moon and meteorites using radiometric dating methods;~~ and” The motion carried, with 8 members voting Aye and 6 members voting No, as follows:*

Aye: Mr. Agosto Ms. Leo
Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Ms. Dunbar Mr. Mercer

No: Mr. Allen Mrs. Knight
Mr. Craig Mrs. Miller
Ms. Hardy Mr. Nuñez

MOTION AND VOTE: *It was moved by Mrs. Cargill to amend the current proposed language in subchapter 112.36 (c)(13)(F) as follows: “(F) discuss scientific hypotheses for the origin of life by abiotic chemical processes in an aqueous environment through complex geochemical cycles given the complexity of living systems.” The motion carried, with 8 members voting Aye and 6 members voting No, as follows:*

Aye: Mr. Agosto Ms. Leo
Mr. Bradley Mrs. Lowe
Mrs. Cargill Dr. McLeroy
Ms. Dunbar Mr. Mercer

No: Mr. Allen Mrs. Knight
Mr. Craig Mrs. Miller
Ms. Hardy Mr. Nuñez

VOTE: *A vote was taken on the motion to recommend that the State Board of Education, by an affirmative vote of two-thirds of the members of the board, approve for second reading and final adoption the proposed revisions to 19 TAC Chapter 112, Texas Essential Knowledge and Skills for Science, Subchapter A, Elementary, Subchapter B, Middle School, and Subchapter C, High School, as amended, with an effective date of 20 days after filing as adopted with the Texas Register. The motion carried unanimously.*

DISCUSSION ITEM

6. Update on Texas Essential Knowledge and Skills (TEKS) Review (Board agenda page I-115)

Ms. Givens reviewed documents provided to committee members including an updated calendar of upcoming events, a request for nominations for social studies experts, and initial work from English language arts elective TEKS review committees. Ms. Givens explained that the current plan includes posting preliminary work from social studies TEKS review committees on the TEA website for informal public comment prior to the end of the school year.

Committee members discussed the possibility of having amendments introduced prior to second reading to allow time for review and comment. Committee members agreed that such a recommendation would not supercede the right of any board member to introduce amendments from the floor at second reading.

Public testimony was provided by the following individual:

NAME: Brooke Terry
AFFILIATION: Texas Public Policy Foundation

After discussion by the committee, Dr. McLeroy directed Ms. Givens to cancel the upcoming April 2009 social studies TEKS review committee meeting. The Committee on Instruction will call a special meeting prior to the May SBOE meeting to determine the direction the board will give to the social studies TEKS review committees.

ACTION ITEM

7. Approval of Question and Answer Document for the Midcycle 2010 Proclamation

(Board agenda page I-69)

[Official agenda item #4]

This item was postponed until Friday, March 27, 2009.

DISCUSSION ITEMS

8. Discussion of Proclamation 2012 Regarding Science Instructional Materials

(Board agenda page I-119)

Discussion of this item was postponed until Friday, March 27, 2009.

9. Discussion of Texas High School Graduation Programs

(Board agenda page I-121)

Discussion of this item was postponed until Friday, March 27, 2009.

ACTION ITEMS

10. Consideration of Options for Graduation Credit for Athletics

(Board agenda page I-71)

[Official agenda item #5]

Ms. Givens outlined options for the board to consider regarding graduation credit for athletics and explained the implications for other action related to graduation requirements in 19 TAC Chapter 74. Commissioner Scott recommended that any discussion on this topic should be made in the context of graduation plans and should not conclude before the legislative session has ended.

Public testimony was provided by the following individuals:

NAME: Deborah Parrish

AFFILIATION: Self

NAME: Robert Young

AFFILIATION: Texas High School Athletic Directors Association

NAME: Sheri Stice

AFFILIATION: Texas High School Athletic Directors Association

NAME: Paul Henley

AFFILIATION: Texas State Teachers Association/
National Education Association

MOTION: *It was moved by Mr. Craig and seconded by Mr. Nuñez to postpone action on this item.*

Mr. Craig withdrew his motion.

MOTION: *It was moved by Ms. Dunbar and seconded by Mr. Agosto to decrease the number of Physical Education (PE) credits required to one and select Option 2 which would expand the number of allowed state PE credits.*

MOTION AND VOTE: *It was moved by Mrs. Lowe and seconded by Dr. McLeroy to select Option 2 with a timeline that would postpone implementation and place this item on the SBOE agenda for first reading and filing authorization in September 2009. The motion carried, with 9 members voting Aye, 4 members voting No, and 1 member abstaining, as follows:*

<u>Aye:</u>	<i>Mr. Agosto</i>	<i>Mrs. Lowe</i>
	<i>Mr. Allen</i>	<i>Dr. McLeroy</i>
	<i>Mrs. Cargill</i>	<i>Mr. Mercer</i>
	<i>Mr. Craig</i>	<i>Mr. Nuñez</i>
	<i>Ms. Dunbar</i>	

<u>No:</u>	<i>Mr. Bradley</i>	<i>Ms. Leo</i>
	<i>Mrs. Knight</i>	<i>Mrs. Miller</i>

<u>Abstain:</u>	<i>Ms. Hardy</i>
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11. Proposed Amendment to 19 TAC Chapter 30, Administration, Subchapter A, State Board of Education: General Provisions, §30.1, Petition for Adoption of Rule Changes

(Second Reading and Final Adoption)

(Board agenda page I-81)

[Official agenda item #6]

This item was postponed until Friday, March 27, 2009.

DISCUSSION ITEM

12. Discussion of Pending Litigation

(Board agenda page I-125)

The committee did not discuss pending litigation; therefore, no executive session was held.

Dr. McLeroy adjourned the meeting of the Committee of the Full Board at 6:37 p.m.