



Texas Education Agency Update

Texas Regional Collaboratives
Fifteenth Annual Meeting
June 30, 2009

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Today's Topics

- Science & Career and Technical Education (CTE) TEKS Revisions
- Texas Math and Science Diagnostic System (TMSDS)
- College and Career Readiness
- Texas Virtual School Network
- Legislative Update
- PAEMST Finalists

Science TEKS Revisions

- SBOE has authority over all aspects of the TEKS, including the revision process.
- The SBOE approved a process for the review of TEKS (July 2008).
- March 2009 - 2nd reading and final adoption of the proposed science TEKS

Science TEKS Revisions

- Final rule language will be published in the *Texas Register* soon.
- Implementation of new science TEKS will occur in 2010-2011 school year.
- Science TAKS and End-of-Course Exams will be revised to reflect new adopted TEKS.

Science TEKS Implementation

- Professional development
 - Spring/summer/fall 2010
 - Looking at different modules for K-5, 6-8, and 9-12
 - Also considering an administrator and campus coach/mentor training module

Science TEKS Implementation

- **Fall 2011**
 - College and career readiness online student materials available

- **Fall 2011 – Spring 2012**
 - Districts select instructional materials from Proclamation 2012.

- **Fall 2012**
 - New instructional materials in schools

2010 Adopted Science TEKS Observations



6/30/09

Observations of New Adopted Science TEKS, K-5

- More focus on science disciplines of life, earth, and physical science and less focus on scientific principles or 'big ideas' such as systems or patterns
- In general, Student Expectations have more specificity and clarity.
- Suggested times for classroom and field experiences

Observations of New Adopted Science TEKS, 6-8

- Focused integration places emphasis on physics and chemistry concepts at Grade 6, emphasis on life science concepts in Grade 7, and emphasis on earth/space science concepts in Grade 8.
- In general, Student Expectations have more specificity and clarity.

Observations of New Adopted Science TEKS, 9-12

- Specific lists of standard equipment and tools for each course (except IPC) were developed.
- College and Career Readiness Standards (CCRS) were used to strengthen Student Expectations in all high school courses.
- In general, Student Expectations have more specificity and clarity.

Career and Technical Education (CTE) Proposed TEKS

- 2nd reading and final adoption of CTE TEKS should occur at July 2009 SBOE meeting.
- Science and math credit options will be considered at September 2009 SBOE meeting.

Possible 4th Year Science Credit – CTE Courses

- CTE courses currently approved for science credit
 - Human Anatomy and Physiology
 - Medical Microbiology
 - Pathophysiology
 - Scientific Research and Design
 - Principles of Technology
 - Engineering Design and Problem Solving

Possible 4th Year Science Credit – CTE Courses

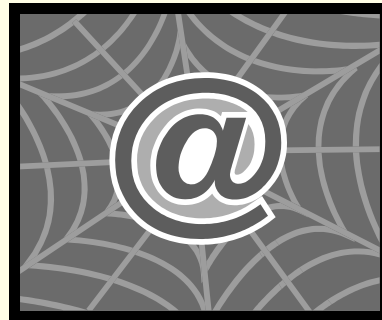
- **New CTE courses being considered for science credit by SBOE:**
 - Advanced Animal Science
 - Advanced Plant and Soil Science
 - Food Science
 - Forensic Science
 - Advanced Biotechnology

Possible 4th Year Math Credit – CTE Courses

- **New CTE courses being considered for math credit by SBOE:**
 - Mathematical Applications in Agriculture, Food and Natural Resources
 - Statistics and Risk Management
 - Engineering Mathematics
 - Advanced Mathematical Decision Making

New TEKS Web Resource

All the latest information found at



www.tea.state.tx.us/teks/

Texas Math and Science Diagnostic System (TMSDS)

- Grades 3-8, Algebra I, Algebra II, Geometry, IPC, Biology, Chemistry, and Physics
- **3 diagnostic tests** available for each grade level/course – 30 questions each
- **5-question “mini-assessments”** available for most Student Expectations for each grade level/course
- Now partnered with Core Projects and Technologies
 - Data will not move forward from 2008 - 2009 school year to 2009 - 2010 school year.

College and Career Readiness Program

A Collaborative Project
between the
Texas Education Agency
and the
Texas Higher Education Coordinating Board

<http://www.txccrs.org>

Process

Phase 1
Design and adopt
the standards

Phase 2
Conduct a Gap Analysis

Phase 3
Develop materials

Phase 3: Develop Materials

Phase 3 work involves developing or establishing

- instructional strategies,
- professional development, and
- online support materials

that aid in the incorporation of College and Career Readiness Standards into classroom instruction.

Timeline

- Fall 2009: Implementation of revised secondary math TEKS
- Summer 2010: Math and Science TEKS professional development delivered
- Fall 2010:
 - Implementation of Science TEKS
 - Math College and Career Readiness Online Student Materials available
- Fall 2011: Science College and Career Readiness Online Student Materials available

College and Career Readiness Program

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Wednesday, June 24, 2009

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Welcome to The Texas Virtual School Network

The Texas Virtual School Network (TxVSN) team is aware of the potential opportunities for students offered by House Bill 3646. The next stage of the process is for the governor to sign the bill, veto it, or allow it to become law without a signature by June 21, 2009. When and if House Bill 3646 legislation is implemented, processes and procedures will be communicated by the Texas Education Agency. All current TxVSN processes and procedures remain the same at this time.

The Texas Virtual School Network (TxVSN) will provide additional opportunities and options for Texas students through online courses. TxVSN was authorized by the Texas Legislature in

Upcoming Events

7/17/2009
SHSU Educational Leadership Conference 2009
Region VI Service Learning Center, Huntsville, TX

8/6/2009
* TETN Video Conference: Course Options and Q&A *
ID 34582: 12:55-2:30 PM

8/18/2009
* WERTMAD: Site Coordinator

www.txvsn.org

Texas Virtual School Network (TxVSN)

- The TxVSN is a supplemental rather than diploma-granting program.
- Online courses will supplement the services the district currently offers students, based on students' academic needs. The home (receiving) district will continue to award credits and diplomas.
- TxVSN partners with the home district to meet student needs.

Strengths and Benefits of Virtual Schools

Especially beneficial to reach students who need

- additional or advanced courses;
- to retake courses for graduation purposes;
- options to courses currently offered in their schools; and/or
- increased access to courses because of physical disabilities or health issues.

SREB 2006 Report on Virtual Schools

Benefits to Districts

- Increasing availability of AP courses
- Resolving scheduling conflicts
- Offering flexible scheduling beyond traditional school day
- Preparing for higher education
- Serving students in alternative school settings

TxVSN Contact Information

Questions to TxVSN Mailbox

txvsn@tea.state.tx.us

Information available at

www.txvsn.org

and

www.tea.state.tx.us/technology/txvsn

Legislative Update

- Briefing Book
- Graduation Requirements
- Student Success Initiative (SSI)

81st Texas Legislature (R)

- Briefing book, including summaries by section and contact information, will be posted soon under “News & Events” by the Communications and Public Information Division.
- FAQ will follow.

www.tea.state.tx.us

81st Texas Legislature (R)

You can download copies of the enrolled bills at:

www.capitol.state.tx.us/

81st Texas Legislature (R)

- **HB 3** – Representative Eissler, et. al.
 - *Relating to public school accountability, curriculum, and promotion requirements.*

- **HB 772** - Representative Howard
 - *Relating to Internet broadcasts of open meetings held by the State Board of Education.*

81st Texas Legislature (R)

- **HB 4294** – Representative Branch
 - *Relating to textbooks, electronic textbooks, instructional material, and technological equipment in public schools.*

- **SB 2262** – Senator Zaffirini
 - *Relating to the administration of mathematics, science, and technology teacher preparation academies at institutions of higher education.*

Graduation Requirements 2009–2010

- High School Seniors
 - Graduate under Recommended HS Program
 - 3 math credits: Algebra I, Geometry, Algebra II
 - 3 science credits: Biology and two of three credits from Integrated Physics and Chemistry (IPC), Chemistry, or Physics

Graduation Requirements 2009–2010

■ High School Juniors

■ First class graduating under 4 X 4 Recommended HS Program

- Algebra I, Geometry, Algebra II, and 4th math credit
- Biology; two of three credits from Integrated Physics and Chemistry (IPC), Chemistry, or Physics; and 4th science credit
- Options for 4th math and science credits at <http://ritter.tea.state.tx.us/curriculum/SBSGradRequirements0708.pdf>

House Bill 3 and Graduation Requirements

- The information in slides 36 – 40 is provided in a letter from the Commissioner of Education to districts, sent June 25, 2009.
- The entire letter may be accessed at <http://ritter.tea.state.tx.us/taa/comm062509.html>.
- An FAQ is being prepared and will be available soon.

House Bill 3 and Graduation Requirements

RHSP & DAP

- Number of required credits is unchanged
- 4 x 4 requirements are unchanged

House Bill 3 and Graduation Requirements

- Elective requirements have changed
 - RHSP
 - Previously: 6 ½ required + 3 ½ open
 - Changed to: 4 required + 6 open
 - DAP
 - Previously: 7 ½ required + 2 ½ open
 - Changed to: 5 required + 5 open

House Bill 3 and Graduation Requirements

Minimum Plan

- Permission for this plan must be in writing and signed by
 - Student
 - Student's parent or guardian
 - Counselor or administrator

House Bill 3 and Graduation Requirements

Minimum Plan

- Student must be at least 16.
- Student must complete 2 credits in 4 core areas.
- Student must have failed to be promoted to 10th grade 1 or more times.

House Bill 3 and Graduation Requirements

- Districts may continue to adopt additional graduation requirements.
- HB3 requirements effect all students beginning 2009-2010.

Graduation Requirements 2009–2010

- Tenth graders
 - First 8th grade class affected by SSI grade advancement requirements
- Seventh graders
 - First class to have EOC graduation requirements

HB3 and the Student Success Initiative (SSI)

(a) Except as provided by Subsection (b) or (e), a student may not be promoted to:

(1) ~~[the fourth grade program to which the student would otherwise be assigned if the student does not perform satisfactorily on the third grade reading assessment instrument under Section 39.023;~~

- Beginning spring 2010, 3rd graders will no longer be subject to SSI requirements for reading.

Presidential Awards for Excellence in Mathematics and Science Teaching



2009 PAEMST Mathematics Finalists

Vicki Peters

Duncanville High School
Duncanville ISD

Lara Scheumack

Rockport Fulton Middle School
Aransas County ISD

Mallory Zimmerman

Uvalde Junior High School
Uvalde CISD

2009 PAEMST Science Finalists

Mila Bersabal

Lee High School
Houston ISD

Michelle Mann

Vista Ridge High School
Leander ISD

Stef Paramoure

Canyon Middle School
Comal ISD

2010 PAEMST Nominations

- Grades K - 6
- Application deadline: May 1, 2010
- Nomination forms: www.paemst.org

List Serve: Please Join...

**Our way of
“shouting out”
to you when
you are busy
and something
important comes
up ...**



<http://www.tea.state.tx.us/list/>

Texas Education Agency

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TEA Mission:

We strive to provide leadership, guidance, and resources to help schools meet the educational needs of all students.