

TEA Science Update

- **Science TEKS**
- **Career & Technical Education TEKS**
- **Graduation Requirements**
- **Assessment Changes**
- **Available Funding**

Science TEKS Revisions

- **Adopted by SBOE in March 2009**
- **Implementation of new science TEKS in 2010-2011 school year**
- **Transition year for preparation**
- **Science TAKS and End-of-Course exams to reflect new adopted TEKS**

Science TEKS Revisions

- **Professional development opportunities**
 - **Spring and summer 2010**
 - **K-12 science TEKS**
 - **5-8 Academies**
 - **Biology EOC**

Science TEKS Revisions

- **Support for new high school science courses**
 - **Earth and Space Science (ESS)**
 - **Engineering**
 - **Pending SBOE approval, other CTE science credit courses may be added (i.e. Forensics)**

Science TEKS Revisions

- **Fall 2011 – Spring 2012**
Districts select instructional materials from Proclamation 2012 (pending funding)
- **Fall 2012**
New instructional materials in schools
- **New Legislation**
Electronic and open source materials

Career and Technical Education TEKS & Science

- **CTE TEKS adopted by SBOE in July 2009**
- **Implementation of new CTE TEKS in 2010-2011 school year**
- **SBOE currently reviewing science and math CTE courses for 4th year graduation credit**

Career and Technical Education TEKS & Science

- **CTE courses for possible science credit (19 TAC Chapter 130)**
 - **Advanced Animal Science** (subchapter A)
 - **Advanced Biotechnology** (subchapter O)
 - **Advanced Plant and Soil Science** (subchapter A)
 - **Food Science** (subchapter I)
 - **Forensics** (subchapter L)

Graduation Requirements 2009–2010

High School Juniors

First class graduating under 4x4 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

Graduation Requirements and IPC

- **Minimum plan**
Biology and IPC (or chemistry and physics)
- **Recommended plan**
IPC not available for entering 9th grade class in
2012-2013
SBOE considering the continuation of IPC option
- **Distinguished plan**
IPC can only count as a science elective credit

Assessment Changes

■ Transition Plan to 2010 TEKS

- TAKS
- End of Course exams

■ Change in Calculator Policy

- End of Course exams in chemistry and physics
- Spring 2010 – recommended 1 scientific or graphing calculator per student
- Spring 2011 – required 1 scientific or graphing calculator per student

Available Funding

- **Student Success Initiative Grants for Districts**
 - Funds for any core content area
 - Application available October 26
 - Application due by November 20, 2009
 - <http://www.tea.state.tx.us/index2.aspx?id=6586>

- **Master Grant Program**
 - Only districts with existing master teachers
 - Stipend grant requests due by June 30, 2010
 - <http://www.tea.state.tx.us/masterteacher.aspx>

Available Funding (continued)

■ T-STEM Academies

- Applicant must target and enroll a majority (at least 50%) of students who are at risk of dropping out of school (at risk, economically disadvantaged, English language-learners, and/or first-generation college-goers).
- Grant application is due by November 5, 2009.
- <http://ritter.tea.state.tx.us/taa/discgrants092109.html>

TEA Science Contacts

Kenn Heydrick

Director of Science

512.463.9581

Kenn.Heydrick@tea.state.tx.us

Irene Pickhardt

Assistant Director of Science

512.463.9581

Irene.Pickhardt@tea.state.tx.us