



TEA Math Curriculum Update

TASM Meeting
October 22, 2013

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Agenda



- HB 5 Update
- Recent SBOE Decision Concerning Math
- Project Share
- Instructional Materials
- New TEKS
- PAEMST Finalists

New TEA Curriculum Staff



Welcome James Slack, Statewide Mathematics Coordinator.

This past year, James worked at the Texas Education Agency in the Student Assessment Division. Previously, he has worked in Austin ISD, New Mexico State University, and Tarleton State University.

HB 5



SBOE Timeline

- ✓ August 1 Work Session
View the Webcast at <http://www.texasadmin.com/tea.shtml>.

- ✓ September 17 Public Hearing
- ✓ September 18 Discussion of HB 5 Rules
View the Webcast at <http://www.texasadmin.com/tea.shtml>.

- November First Reading and Filing
Authorization

- December Official Public Comment Period

- January Second Reading and Final Adoption

House Bill 5



- The Commissioner must adopt a transition plan to implement the bill and replace the MHSP, RHSP, and DAP with the foundation program **beginning with the 2014-2015 school year.**
- At that time, students will have a choice of staying on their current programs or switching to the Foundation High School Program (FHSP).


House Bill 5

- Current seniors also have the option to graduate on a version of the FHSP under Commissioner's Rules.
- The proposed rules can be accessed at the following link: [**Text of Proposed New 19 TAC Chapter 74, Subchapter BB \(PDF\)**](#)



House Bill 5





TEXAS EDUCATION AGENCY

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- [Alternative Schooling](#)
- [About TEA](#)
- [Assistance - TEAL/ECOS](#)
- [Commissioner](#)
- [Complaints](#)
- [Copyrights/Royalties](#)
- [Dropout Information](#)
- [Early Childhood Education](#)
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- [Educator Certification](#)
- [Educator Login/Account Set Up](#)
- [Educator Preparation](#)
- [Enroll Your Child](#)
- [Fingerprinting](#)
- [GED](#)

Agency Info District Information A - Z Index Help



Student Art
The Cattle That Built Texas
Luis Ochoa, Socorro ISD

Welcome to the Texas Education Agency

The mission of the Texas Education Agency is to provide leadership, guidance and resources to help schools meet the educational needs of all students. [\(read more about the agency\)](#)


Agency News

October 18, 2013
[Foster Care & Student Success Resource Guide available](#)
The Texas Education Agency (TEA) today announced the release of a new ground-breaking resource to help schools better meet the educational needs of children in foster care. This new guide, Foster Care & Student Success: Texas Systems Working Together to Transform Education Outcomes of Students in Foster Care, is a comprehensive resource that gives educators relevant information, practical tips, and available resources to improve the educational experience of students in foster care.

October 17, 2013
[Draft rules on HB 5 graduation program released](#)
Based on direction from the State Board of Education (SBOE), the Texas Education Agency (TEA) today released draft rules to be considered by the SBOE at its November meeting regarding the new high school graduation program under House Bill 5 (HB 5). Passed by the 83rd Texas Legislature, HB 5 revises the graduation program for students entering Grade 9 in the 2014-2015 school year and all subsequent years.





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- Find TEAL and ECOS...

House Bill 5



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<p>Administrators school resources</p> <p>Teachers teacher resources</p> <p>Funding school finance & grants</p> <p>Testing / Accountability student assessment & ratings</p> <p>Curriculum standards, college prep & programs</p> <p>Reports data, statistics & research</p> <p>News & Events communications & calendars</p> <p>ARRA/Ed Jobs stimulus, stabilization, & ed jobs</p> <hr/> <p>Alternative Schooling</p> <p>About TEA</p> <p>Assistance - TEAL/ECOS</p> <p>Commissioner</p> <p>Complaints</p> <p>Copyrights/Royalties</p> <p>Dropout Information</p> <p>Early Childhood Education</p> <p>Education Laws & Rules</p> <p>Educator Certification</p> <p>Educator Login/Account Set Up</p> <p>Educator Preparation</p> <p>Enroll Your Child</p> <p>Fingerprinting</p> <p>GED ®</p> <p>Health and Safety</p>	<h2 style="color: #800000;">State Graduation Requirements</h2> <p>This site will provide you with information regarding the Texas high school graduation requirements.</p> <hr/> <p style="color: #0000FF; text-decoration: underline;">House Bill 5</p> <p>The Commissioner must adopt a transition plan to implement House Bill (HB) 5 and replace the Minimum High School Program (MHSP), Recommended High School Program (RHSP), and Distinguished Achievement Program (DAP) with the foundation program beginning with the 2014-2015 school year.</p> <hr/> <p>An updated set of dual credit frequently asked questions (PDF, 203KB) is now available.</p> <p>Information Regarding Minimum High School Program (MHSP)</p> <p>Information regarding automatic college admission</p> <hr/> <p>Official State Board of Education Administrative Rules Regarding Graduation Requirements</p> <p>Graduation Requirements for Students Entering Grade 9 in 2012-13 and thereafter</p> <p>Graduation Requirements for Students Entering Grade 9 in 2007-08, 2008-09, 2009-10, 2010-11, or 2011-12</p> <p>Graduation Requirements for Students Entering Grade 9 in 2004-05, 2005-06, or 2006-07</p> <p>Graduation Requirements for Students Entering Grade 9 in 2001-02, 2002-03, or 2003-04</p> <p>Graduation Requirements for Students Entering Grade 9 in 1998-99, 1999-2000, or 2000-01</p> <hr/> <p>The State Board of Education adopted changes to the high school graduation requirements in January 2012. These requirements were effective beginning with students who enter grade 9 in the 2012-13 school year. View Graduation Requirements for Students Entering Grade 9 in 2012-13 and 2013-2014 school years.</p> <p>2013-2014 Side by Side Graduation Program Requirements (for students entering high school in 2012-2013 and later) (PDF, 120KB)</p> <p>2012-2013 Side by Side Graduation Program Requirements (for students entering high school in 2012-2013 and later) (PDF, 120KB)</p> <hr/> <p>The State Board of Education adopted changes to the high school graduation requirements in January 2010. These requirements were effective beginning in the 2010-11 school year.</p> <p>Correspondence to Districts</p> <p>2011-2012 Side by Side Graduation Program Requirements (for students who entered high</p>			

House Bill 5



Agency Info	District Information	A - Z Index	Help
 <p>Administrators school resources </p> <p>Teachers teacher resources </p> <hr/> <p>Funding school finance & grants</p> <p>Testing / Accountability student assessment & ratings</p> <p>Curriculum standards, college prep & programs</p> <p>Reports data, statistics & research</p> <p>News & Events communications & calendars</p> <p>ARRA/Ed Jobs stimulus, stabilization, & ed jobs</p> <hr/> <p>Alternative Schooling</p> <p>About TEA</p> <p>Assistance - TEAL/ECOS</p> <p>Commissioner</p> <p>Complaints</p> <p>Copyrights/Royalties</p> <p>Dropout Information</p> <p>Early Childhood Education</p> <p>Education Laws & Rules</p> <p>Educator Certification</p> <p>Educator Login/Account Set Up</p> <p>Educator Preparation</p> <p>Enroll Your Child</p> <p>Fingerprinting</p> <p>GED</p> <p>Health and Safety</p>			
<h2 style="color: #c00000;">House Bill 5</h2> <p>This site will provide you with information regarding House Bill 5, 83rd Texas Legislature, Regular Session, 2013.</p> <hr/> <p>The State Board of Education (SBOE) is expected to make decisions regarding the new graduation requirements that will be implemented beginning with the 2014-2015 school year on the following timeline:</p> <p>September 17 Public Hearing</p> <p>September 18 Discussion of HB 5 Rules</p> <p>November First Reading and Filing Authorization</p> <p>December Official Public Comment Period</p> <p>January Second Reading and Final Adoption</p> <p>General Overview Slides of HB 5 with SBOE Decision Points (PDF, 402KB)</p> <p>The State Board of Education will consider the following draft proposed rules for the Foundation High School Program for first reading and filing authorization at the November 2013 meeting. Proposed rules are based on guidance provided by the SBOE at the September 2013 meeting. The SBOE will consider possible revisions to the proposal at the November 2013 meeting.</p> <p>Proposed Rules for the Foundation High School Program (PDF, 558KB)</p> <hr/> <p>The Commissioner must adopt a transition plan to implement House Bill (HB) 5 and replace the Minimum High School Program (MHSP), Recommended High School Program (RHSP), and Distinguished Achievement Program (DAP) with the foundation program beginning with the 2014-2015 school year and rules to allow certain seniors in the 2013-2014 school year the option to graduate under the new foundation high school program.</p> <p>Text of HB 5 (outside source)</p> <p>General Overview Slides of HB 5 (PDF, 103KB)</p> <p>Side-by-Side Comparison – Current Graduation Requirements and HB 5 Requirements to be Implemented Beginning in 2014-2015 (PDF, 37KB)</p> <p>Frequently Asked Questions (coming soon)</p> <hr/> <p>The following documents were prepared for the August 1 SBOE work session as a resource for discussion purposes only and do not reflect final decisions. Archived webcast of the SBOE work session</p> <p>English Language Arts Discussion Document (PDF, 768 KB)</p>			

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2014-2015 school year and rules to allow certain seniors in the 2013-2014 school year the option to graduate under the new foundation high school program.

[Text of HB 5 \(outside source\)](#)

[General Overview Slides of HB 5 \(PDF, 163KB\)](#)

[Side-by-Side Comparison – Current Graduation Requirements and HB 5 Requirements to be Implemented Beginning in 2014-2015 \(PDF, 37KB\)](#)

Frequently Asked Questions (coming soon)

The following documents were prepared for the August 1 SBOE work session as a resource for discussion purposes only and do not reflect final decisions. [Archived webcast of the SBOE work session](#)

[English Language Arts Discussion Document \(PDF, 768 KB\)](#)

[Mathematics Discussion Document \(PDF, 780KB\)](#)

[Science Discussion Document \(PDF, 563KB\)](#)

[Social Studies Discussion Document \(PDF, 752KB\)](#)

[Fine Arts Discussion Document \(PDF, 728KB\)](#)

[Languages Other Than English \(LOTE\) Discussion Document \(PDF, 839KB\)](#)

[Physical Education Discussion Document \(PDF, 715KB\)](#)

[STEM Endorsement Discussion Document \(PDF, 1186KB\)](#)

[Business and Industry Endorsement Discussion Document \(PDF, 754KB\)](#)

[Public Services Endorsement Discussion Document \(PDF, 742KB\)](#)

[Arts and Humanities Endorsement Discussion Document \(PDF, 735KB\)](#)

[Multidisciplinary Studies Endorsement Discussion Document \(PDF, 729KB\)](#)

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HB 5 – Foundation High School Program



English Language Arts

Four credits

- English I
- English II
- English III
- Advanced English Course (TBD by SBOE)

Mathematics

Three credits

- Algebra I
- Geometry
- Advanced Mathematics Course (TBD by SBOE)

Science

Three credits

- Biology
- IPC or Advanced Science Course (TBD by SBOE)
- Advanced Science Course (TBD by SBOE)

Social Studies

Three credits

- U.S. History
- U.S. Government (one-half credit) and Economics (one-half credit)
- World Geography or World History or Combined World History/World Geography

HB 5 – FHSP with an Endorsement



English Language Arts

Four credits

- English I
- English II
- English III
- Advanced English Course (TBD by SBOE)

Mathematics

Three credits

- Algebra I
- Geometry
- Advanced Mathematics Course (TBD by SBOE)
- Advanced Mathematics Course (TBD by SBOE)

Science

Three credits

- Biology
- IPC or Advanced Science Course (TBD by SBOE)
- Advanced Science Course (TBD by SBOE)
- Advanced Science Course (TBD by SBOE)

Social Studies

Three credits

- U.S. History
- U.S. Government (one-half credit) and Economics (one-half credit)
- World Geography or World History or Combined World History/World Geography

HB 5 – Foundation High School Program



Considerations:

- Advanced courses must **prepare** students to enter the workforce successfully or postsecondary education without remediation.
- Students must be permitted to use a course that has been **developed locally** by a school district in partnership with a public or private IHE and local business, labor, and community leaders to **satisfy advanced English, mathematics, or science** requirements.

HB 5 - Mathematics

Decisions Points:

What courses will be eligible to satisfy the **advanced math credit** requirements?

Will we **differentiate between courses that may satisfy a third math credit** under the foundation high school program and courses that may satisfy a **fourth math credit for the endorsements**?

Will we allow students to **combine two half credits** to satisfy the advanced mathematics credit requirements?

Examples:

Allow courses with only an **Algebra I prerequisite to satisfy the third math credit** requirement under the foundation high school program, but not the fourth math credit requirement under the endorsements.

Allow courses with an **Algebra II prerequisite to satisfy the fourth math credit** requirement. Identify additional CTE courses to satisfy the advanced mathematics requirement.

HB 5 - Endorsements



A student may earn an endorsement by successfully completing

- curriculum requirements for the endorsement, (**TBD by SBOE**)
- four credits in mathematics,
- four credits in science, and
- two additional elective credits.



22

26

HB 5 - Endorsements



- Each school district **must make available** to high school students courses that allow a student to complete the curriculum requirements for at least one endorsement.
- A school district that offers **only one** endorsement curriculum must offer the **multidisciplinary** studies endorsement curriculum.

HB 5 – Distinguished Level of Achievement

A student may earn a distinguished level of achievement by successfully completing

- four credits in mathematics, which must include **Algebra II**;
- four credits in science;
- the remaining curriculum requirements; and
- the curriculum requirements for at least one endorsement.

HB 5 – Performance Acknowledgment



A student may earn a performance acknowledgment
(**requirements TBD by SBOE**)

- for outstanding performance
 - in a dual credit course
 - in bilingualism and biliteracy
 - on an AP test or IB exam
 - on the PSAT, the ACT-Plan, the SAT, or the ACT
- for earning a nationally or internationally recognized business or industry certification or license

Providing Feedback about Graduation Requirements



- Contact SBOE members at sboesupport@tea.state.tx.us.
- Provide public testimony at November and/or January SBOE meetings.
- Submit written comments during 30-day public comment period to rules@tea.state.tx.us.

(Notice will be posted in the Texas Register if the draft rule receives preliminary approval at the November SBOE meeting.)

Recent SBOE Decision



Additional Courses to Satisfy the Fourth Math Credit

- Digital Electronics
- Discrete Math for Computer Science (Technology Applications)
- Discrete Math for Problem Solving (High School Mathematics)

Project Share - ESTAR/MSTAR



ESTAR/MSTAR Universal Screener

- Fall – **WINDOW IS CLOSED** (August 26 - October 18)
- Winter - January 8 - February 14
- Spring - April 7 - May 9

Project Share - ESTAR/MSTAR



MSTAR Diagnostic Assessments - Winter and Spring Windows Only

- The diagnostic assessments have been delayed to provide time for districts to complete the on-line training.
- The MSTAR diagnostic assessments will be piloted with a few districts in the fall. Districts who would like to participate should contact mathtx@esc13.net.

Project Share - ESTAR/MSTAR



ESTAR Diagnostic Assessments

- The ESTAR diagnostic assessments will be piloted in the spring. Districts who would like to participate should contact mathtx@esc13.net.
- The ESTAR diagnostic assessments will be available for the 2014 – 2015 school year.

TxAIR



Available for

- Math and science, grades 3 - 8
- Algebra I, Algebra II, Geometry
- IPC, Biology, Chemistry, and Physics

Items

- Two or three assessments for each grade/course
- Five-question assessments for most SEs.
- Available in English and Spanish
- Approximately 350 new science items



Enhancement Features

- Teachers will be able to create assessments to share with others in their district or campus.
- Teachers will be able to search by specific student expectations.
- As teaching assignments change, administrators will be able to move a teacher within the campus or to a different campus.

Project Share Support

Account Assistance

- projectsharesupport@ipsi.utexas.edu

Professional Development

- mathtx@esc13.net

OnTRACK Support

- ontrack@ipsi.utexas.edu

Project Share Support



ESTAR/MSTAR

- mathtx@esc13.net
- 1-855-462-8489

TxAIR

- txair@esc4.net

Other Resources

- Think Through Math is available for the 2013 - 2014 school year.
- The interactive math glossary is currently in development.



Instructional Materials



Proclamation 2014 - Math Grades K - 8

- Review panels completed the review this summer.
- Districts should be able to begin a local review after the State Board of Education meeting in November.

Instructional Materials



Proclamation 2015 - High School Math Courses

- Algebra I
- Algebra II
- Geometry
- Precalculus
- Mathematical Models with Applications (MMA)
- Advanced Quantitative Reasoning (AQR)
- Engineering Mathematics
- Mathematical Applications in Agriculture, Food, and Natural Resources
- Statistics and Risk Management
- Robotics Programming and Design

New TEKS



- Personal Financial Literacy Course
 - This course will need to be developed.
 - This item is on the list for the State Board of Education.

- High School Courses
 - On-line training modules are in development.
 - The training modules are expected to be released in late spring or summer of 2014.



The National Science Foundation, under the direction of the White House, approves the Texas candidates as finalists for the national Presidential Awards for Excellence in Math and Science Teaching (PAEMST) award. If chosen as a national winner, the state finalists will receive \$10,000 and an all-expense-paid trip for two to Washington D.C. for ceremonies that include recognition from the President of the United States.

Nominations for teachers of grades K - 6 will open in fall 2013.



2013 PAEMST Finalists



Jessica Caviness teaches
Geometry at Coppell High
School in Coppell ISD.



Amy Ferguson teaches Pre-AP
Algebra II at Winston Churchill
High School in North East ISD.

2013 PAEMST Finalists



Penny Smeltzer teaches AP Statistics at Westwood High School in Round Rock ISD.



Ruth Westbrook teaches ESL Math Grades 6 - 8 at McMath Middle School in Denton ISD.

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