TEA Curriculum Update
Agenda

• TEKS Update
• State Board of Education Update
• Required Curriculum and Graduation Requirements
• Curriculum Updates
Texas Essential Knowledge and Skills (TEKS)
TEKS Update 2016 - 2017

New courses

• Personal Financial Literacy
• Advanced Placement (AP) Computer Science
• AP science courses (Chapter 112, Subchapter D)
Personal Financial Literacy elective course

• Districts and charter schools are **required to offer** this course beginning with the 2016-2017 school year

• Other financial literacy courses will not meet this requirement
TEKS Update 2017-2018

Which TEKS are changing?

Languages other than English (LOTE)
• Revisions to the LOTE TEKS were adopted by the SBOE in 2014.

Career and Technical Education (CTE)
• Revisions to the CTE TEKS were adopted by the SBOE in 2015.

The revised LOTE and CTE TEKS are scheduled to be implemented in the 2017-2018 school year.
Key Changes to the TEKS — Languages other than English

- Clearer, more concise TEKS with separate TEKS for each level
- Revisions to the proficiency levels with more specific information added to the introductions
- Addition of new TEKS for classical languages
- Addition of new advanced-level courses for American Sign Language and LOTE (modern and classical) and a new Special Topics in Language and Culture course
Key Changes to the TEKS — Career and Technical Education (CTE)

• Addition of a variety of new courses

• Addition of new courses that may satisfy specific graduation requirements

• Addition, in some Career Clusters, of laboratory courses that may be used as corequisites and combined with corresponding theory-based course
TEKS Update

Which TEKS are currently under review?

Advanced LOTE course

• The development of this LOTE course is scheduled to begin this summer.

English and Spanish language arts and reading

• English and Spanish language arts and reading TEKS review committees finalized their recommendations to the State Board of Education (SBOE) this spring.
TEKS Update

Expected timeline for English and Spanish language arts and reading

• SBOE discussion July 20-22, 2016
• SBOE first reading and filing authorization September 14-16, 2016
• Official public comment period, September to the November 2016 SBOE meeting
TEKS Update

Timeline for English and Spanish language arts and reading

• SBOE public hearing and second reading and final adoption, November 16-18, 2016
• Expected implementation, beginning in 2018-2019 school year
TEKS Update

Which TEKS are next?

Science TEKS streamlining

The SBOE will begin the streamlining process for science this summer, with adoption of streamlined TEKS scheduled for spring 2017.

Social studies TEKS streamlining

The streamlining process for social studies is scheduled to begin in spring of 2017.
Science TEKS Streamlining

Expected timeline for science TEKS streamlining committees

• Spring 2016—SBOE nominates individuals to TEKS streamlining committees

• Summer and Fall 2016—TEKS streamlining committees convene
SBOE Meeting

July 20-22, 2016

Discussion

• Proposed revisions to English and Spanish language arts and reading TEKS

• House Bill (HB) 743 Study

First reading and filing authorization

• Chapter 74, Subchapter A, Required Curriculum
• Chapter 112, Subchapter D, Other Science Courses
SBOE Meeting

Chapter 74, Subchapter A, Required Curriculum

• Updates the rules to add the newly adopted Personal Financial Literacy course to the list of courses districts and charter schools are required to offer at the high school level
SBOE Meeting

Chapter 112, Subchapter D, Other Science Courses

• Updates course titles for Advanced Placement (AP) Physics courses
• Modifies the amount of credit that could be earned for these courses
• Adds new AP Physics courses to align with courses recently revised by the College Board
Required Curriculum and Graduation Requirements
Curriculum Requirements

State law defines the required curriculum as follows:

Foundation Curriculum—
  • English language arts
  • Mathematics
  • Science
  • Social studies
Curriculum Requirements

Enrichment Curriculum—

• Career and technical education
• Fine arts
• Health education
• Languages other than English
• Physical education
• Technology applications
Curriculum Requirements

• No state requirements for **instructional time**. This is locally established.

• However, schools must ensure that “sufficient time is provided for teachers to teach and students to learn” all of the TEKS for a subject or course.

• A variety of flexible instructional arrangements and settings are permitted.
Additional Considerations

• Successful course completion is based on demonstrated proficiency of the TEKS.

• Students may enroll in high school courses in grades earlier than grade 9.

• Innovative courses approved by the state may be used toward state elective credit only.
Additional Considerations

Dual credit courses:

- provide an opportunity for a student to earn high school credit for a college course that provides advanced academic instruction beyond, or in greater depth than, the TEKS for the equivalent course; and

- may be offered in partnership with a state college or university. A memorandum of understanding (MOU) is required.
Description of Required Curriculum

- Texas Administrative Code §74.2 – Elementary
  - Kindergarten – Grade 5
  - [http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html#74.2](http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html#74.2)

- Texas Administrative Code §74.3 – Secondary
  - Middle school and high school
  - [http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html#74.3](http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html#74.3)
Foundation High School Program

Amendments to the Foundation High School Program

In April 2016, the SBOE approved amendments to the Foundation High School Program graduation that update the rules and make the following changes:

• Add a sequence requiring the completion of English I, II, and III prior to taking the fourth advanced English credit

• Add new Financial Mathematics course to advanced courses that satisfy the third mathematics credit
Foundation High School Program

Amendments to the Foundation High School Program

• Eliminate the expiration of the provision allowing Computer Science I, II, and III to satisfy the LOTE graduation requirement

• Include Career Preparation I-II courses with the career clusters from which the final course in a coherent sequence for an endorsement may be selected

• Allow a course to count as part of the set of four courses for more than one endorsement
Foundation High School Program

Amendments to the Foundation High School Program

• Remove specific references to AP and IB courses from the Foundation High School Program and endorsement course requirements and replace those references with a general reference regarding appropriate substitutions
Texas Administrative Code §74.11(h)

“College Board Advanced Placement (AP) and International Baccalaureate (IB) courses may be substituted as appropriate for required courses. A single AP or IB course may not count toward more than one credit required for graduation. If an AP or IB course is substituted for a required course, that course may not satisfy a requirement for an advanced course, but may count toward both a required course and an endorsement. AP and IB courses may satisfy elective credit requirements.”
Graduation Requirements

- Texas Administrative Code, Chapter 74
  - Subchapter B – Foundation High School Program
  - Subchapter G – Students entering Grade 9 in the 2012-2013 and 2013-2014 school years

http://ritter.tea.state.tx.us/rules/tac/chapter074/index.html
Graduation Requirements

Foundation High School Program

• Began with all 9th graders beginning with the 2014-2015 school year.

• Students who entered grade 9 prior to 2014-2015 have the choice of staying on their current high school program (MHSP, RHSP, or DAP) or opting over to the Foundation High School Program.
Curriculum Updates
Screen shot of Division webpage holder
Spring 2016

The mission of the Texas Education Agency is to provide leadership, guidance, and resources to help schools meet the educational needs of all students.

Texas Essential Knowledge and Skills (TEKS) Update

Mathematics—The revised mathematics TEKS for high school were implemented beginning with the 2015–2016 school year. The revised high school mathematics TEKS are available online at http://ritter.tea.state.tx.us/rules/tac/chapter111/index.html and are indicated by “Adopted 2012” in the title. Two new mathematics courses, Statistics and Algebraic Reasoning, are also available for the 2015–2016 school year. Both courses may satisfy advanced mathematics credit requirements for graduation.

Fine Arts—The implementation of the revised fine arts TEKS for Kindergarten–Grade 12 also commenced with the 2015–2016 school year. The revised TEKS are available online at http://ritter.tea.state.tx.us/rules/tac/chapter117/index.html and are noted with “Adopted 2013” in the title.

Career and Technical Education (CTE)—The State Board of Education (SBOE) gave final approval to revisions for the CTE TEKS in 2015. The revisions include the TEKS for career development and the sixteen CTE Career Clusters.

The revised TEKS for CTE are scheduled to be implemented beginning in the 2017–2018 school year and will be posted on the CTE TEKS webpage at http://tea.texas.gov/Curriculum_and_Instructional_Programs/Curriculum_Standards/Career_and_Technical_Education_Texas_Essential_Knowledge_and_Skills/ with “Adopted 2015” in the title.

Personal Financial Literacy—The SBOE gave final approval to a new one-half credit elective course in social studies, Personal Financial Literacy, which is scheduled to be implemented in the 2016–2017 school year. Beginning with the 2016–2017 school year districts are
Prekindergarten Guidelines

- In fall 2015, TEA began the process to revise and update the *Texas Prekindergarten Guidelines*.

- A 13-member review committee consisting of classroom teachers and administrators from early childhood programs in public schools and higher education faculty and researchers from across the state participated in the revision.

Revisions to the *Texas Prekindergarten Guidelines (Updated 2015)*

- Aligned with kindergarten TEKS, particularly in mathematics (e.g., geometry and addition and subtraction) and language arts and reading

- Replaced out-of-date references with more general references to technology

- Updated to clarify outcomes and to reflect current research and best practices in early childhood education
Prekindergarten Guidelines

Revisions to the *Texas Prekindergarten Guidelines (Updated 2015)*

- Sequenced the outcomes to reflect a developmentally appropriate continuum of instruction and learning
- Updated instructional strategies
- Added more differentiated outcomes for English language learners
- Moved personal safety and health skills from the science domain to Domain IX, Physical Development, and renamed the domain Physical Development and Health
- Added more examples in Spanish and included developmental markers for teacher reference
# High-Quality Prekindergarten Grant Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 5, 2016</td>
<td>Proposed rules and Call for PreK instruments published in Texas Register</td>
</tr>
<tr>
<td>February 26, 2016</td>
<td>Grant application is made available</td>
</tr>
<tr>
<td>March 4, 2016</td>
<td>First round of PreK instruments posted</td>
</tr>
<tr>
<td>March 7, 2016</td>
<td>End of official public comment period on proposed rules</td>
</tr>
<tr>
<td>March 25, 2016</td>
<td>Final round of PreK instruments posted</td>
</tr>
<tr>
<td>April 1, 2016</td>
<td>Adopted rules published in Texas Register</td>
</tr>
<tr>
<td>April 8, 2016</td>
<td>Deadline for LEAs to submit grant applications</td>
</tr>
<tr>
<td>Mid-April, 2016</td>
<td>Notification of preliminary funding amounts</td>
</tr>
</tbody>
</table>
### High-Quality Prekindergarten Grant Timeline

<table>
<thead>
<tr>
<th>Date</th>
<th>Event Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 3, 2016</td>
<td>Deadline for identification of eligible grantees and calculation of initial grantee funding amounts</td>
</tr>
<tr>
<td>June 2016</td>
<td>Complete confirmation of eligible LEA desire to receive funding</td>
</tr>
<tr>
<td>July 2016</td>
<td>Issue Notices of Grant Award (NOGA) with final FY 2016 funding amount</td>
</tr>
<tr>
<td>Fall 2016</td>
<td>Issue NOGAs with second half of funding (FY 2017 funding)</td>
</tr>
</tbody>
</table>
Mathematics Prerequisites

The mathematics prerequisites have changed with the implementation of the Texas Essential Knowledge and Skills in August 2015.

Prerequisites for mathematics can be found in the TEKS for each course under general requirements.

The word “recommended” has been removed from most of the prerequisites.

Further clarification regarding prerequisites in general is provided in the following sections of the Texas Administrative Code:

- Chapter 74.11(j)—Foundation High School Program students
- Chapter 74.71(k)—Minimum, Recommended, or Distinguished Achievement High School Program students
SBOE Rules on Prerequisites

Chapter 74.11(j) and Chapter 74.71(k)

A student may not be enrolled in a course that has a required prerequisite unless the student has successfully completed the prerequisite course(s); the student has demonstrated equivalent knowledge as determined by the school district; or the student was already enrolled in the course in an out-of-state, an out-of-country, or a Texas nonpublic school and transferred to a Texas public school.
## Mathematics Prerequisites

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisite</th>
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<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra I</td>
<td>Grade 8 Math or its equivalent</td>
<td>Statistics</td>
<td>Algebra I</td>
</tr>
<tr>
<td>Geometry</td>
<td>Algebra I</td>
<td>Precalculus</td>
<td>Algebra I, Geometry, and Algebra II</td>
</tr>
<tr>
<td>Algebra II</td>
<td>Algebra I</td>
<td>Adv. Quantitative Reasoning</td>
<td>Geometry and Algebra II</td>
</tr>
<tr>
<td>Mathematical Models with Applications</td>
<td>Algebra I</td>
<td>Independent Study in Mathematics</td>
<td>Geometry and Algebra II</td>
</tr>
<tr>
<td>Algebraic Reasoning</td>
<td>Algebra I</td>
<td>Discrete Mathematics for Problem Solving</td>
<td>Algebra II</td>
</tr>
</tbody>
</table>
The Supporting Information documents for Mathematics K – 8 have recently been updated. [http://texasgateway.org/resource/mathematics-teks-supporting-information](http://texasgateway.org/resource/mathematics-teks-supporting-information)

Algebra I will be available soon and others will follow in this order throughout the summer:

1. Geometry
2. Algebra II
3. Mathematical Models With Applications
4. Precalculus
5. Advanced Quantitative Reasoning
6. Statistics
7. Algebraic Reasoning
Presidential Award for Excellence in Mathematics and Science Teaching

This is the highest award in the nation for mathematics and science teachers.

Teachers must

- have a minimum of five years of experience,
- be a full-time employee who teaches at least 50% of the time,
- be a U.S. citizen or resident alien, and
- hold a bachelor’s degree from an accredited institution.

*Please note: AP Computer Science teachers may apply under mathematics.
The state awardee receives

- a trip to Washington D. C. to attend recognition ceremonies and professional development,
- a certificate signed by the President of the United States, and
- $10,000 award from the National Science Foundation.

For more information, please visit [http://www.paemst.org](http://www.paemst.org).
• The nomination and application windows are expected to open in the fall (October/November) for the 2017 competition.

• Teachers who teach grades 7 - 12 can apply (including AP Computer Science teachers).

• In Texas, eligible teachers who submit a completed application by the deadline on May 1, 2017, will earn 20 hours of CPE credit.

• Information is available for Texas applicants at tx_paemst@tea.texas.gov.
Texas Gateway

- Interactives
- Videos
- Assessments
- Self-register
- Professional development courses
- Export to local LMS
TEA Science Safety Training

**TEA Science Safety Training for High School**

CPE credit is 3  Subject: Science

This course is a self-paced foundational training module for science safety at the high school level. The course provides high school science, science elective, and CTE teachers an opportunity to review safety policies, procedures, and responsibilities that pertain to instructional settings.
Tutorials for Math/Science Resource

Introduction to TxAIR

The Texas Achievement Items Repository (TxAIR) system allows teachers to create quizzes and assessments by selecting items aligned to the Texas Essential Knowledge and Skills (TEKS). Items in the TxAIR system are vetted by the Texas Education Agency (TEA). Students may take an assessment in either an online or paper format.

The following sections include a video tutorial for each level of functionality within the system. There is also an accompanying TxAIR training manual in the Related Items located at the bottom of the screen.

If you are interested in establishing a TxAIR account for you and/or your students, contact txair@esc4.net or 713.744.6815.
Texas Gateway

• The Texas Gateway is a public, open interface accessible by all Texas teachers, parents, and students.

• Teachers and parents may voluntarily sign up for dashboards that allow them to save their favorite content and organize personal lists of resources.
Texas Gateway

Online Resources for the Classroom
- TEKS-aligned
- Designed for general instruction, intervention, acceleration, and additional practice

Online Resources for the Teacher
- Professional development courses
- Personalized collections of resources
Texas Gateway OnTRACK Lessons

TEKS-aligned supplementary lessons

- Grade 8 and English I, II, and III
- Grades 7 and 8, Algebra I and II, and Geometry
- Grade 8, Biology, Chemistry, and Physics
- U.S. History

Available on the Texas Gateway

Information and support at txgateway@tea.texas.gov
Texas Gateway Professional Development

- Teachers enroll in professional development courses through a self-registration process.
- Once enrolled, teachers may easily track their progress and obtain certificates upon successful completion.
Texas Gateway Professional Development

The following courses are live at Texas Courses:

- ELPS Academy
- Science Safety Training for High School, Middle School, and Elementary School
- Texas Adolescent Literacy Academies, Tier I and Tiers II & III
Other courses are scheduled to go live this summer. They include

- Bloodborne Pathogens training,
- Science Academies for Grades K–4 and 5–8,
- Math TEKS for Grades K–8 and 9–12,
- additional ELPS courses, and
- additional CTE training.
Accelerated Instruction (Texas SUCCESS)

• Online math and reading programs are available for the following grade levels and courses:
  ✓ Istation: Reading, grades 3–5 (English) and grade 3 (Spanish)
  ✓ Compass Learning: Reading, grades 6–8
  ✓ Apex Learning: English I and II
  ✓ Think Through Math: Math, grades 3–5, grades 6–8, and Algebra I

• Contracts will continue for the 2016–2017 school year.

• To learn more about the products and how to get started, go to texassuccess.org.
Additional Programs Updates
Texas Virtual School Network (TxVSN)

- Expand local course choices
- Address teacher shortages
- Provide credit advancement and/or credit recovery options
- Allow schedule flexibility
- Provide alternative opportunities for diverse students
- Offer additional courses taught by Texas certified teachers
- Provide individualized instruction
TxA SN Catalog Course Options

**College credit**
- 14 AP® courses
- 12 dual credit courses

**High school**
- Foundation and enrichment curriculum courses
- 6 languages other than English (LOTE) courses
- 19 career and technical education (CTE) courses
- 5 technology applications courses, including Computer Science I & II
TxVSN Funding Sources

- Foundation School Program (FSP) funding for up to three TxVSN courses per student per semester
- Instructional Materials Allotment (IMA)
- State and federal program and grant funds
- Title funds, including Title I, IDEA Part B
- Local funds
- May be student-paid after first three TxVSN courses per student per semester
TxVSN State Law and Rule

- Texas Education Code (TEC), Chapter 30A
- Texas Administrative Code (TAC), Chapter 70

Local Policy for the TxVSN: TEC, §30A.007

- Each school district or open-enrollment charter school must adopt a written policy that provides students with the opportunity to enroll in TxVSN online courses
- Policy must be consistent with requirements in TEC, §26.0031
- Policy must be sent to each parent of a middle or high school student at least once a year.
Rights Concerning the TxVSN: TEC, §26.0031

- At the time and in the manner the school informs students and parents about traditional local classroom course offerings, it must also notify them of option to enroll in TxVSN courses

- School may not deny request to enroll in TxVSN course except in specific circumstances allowed under this section

- Parent may appeal a denial to the commissioner

TxVSN Help Desk: 1-866-93TxVSN
(1-866-938-9876)

TxVSN Website: www.txvsn.org
Innovative Courses

- provide content outside the scope of the required curriculum
- may meet certain endorsement area requirements
- may be offered for elective credit with the approval of the local board of trustees
- may not meet other state graduation requirements or dual credit requirements

AP/IB?
Contact the Curriculum Division
Curriculum Listserv Bulletins

- AP/IB
- Bilingual/ESL Education
- Counselors in Schools
- English Language Arts & Reading
- Fine Arts
- Foster Care and Student Success
- Gifted/Talented Education
- Health and Physical Education
- Languages Other Than English
- Mathematics
- Science
- Social Studies
- Texas Literacy Initiative
- Technology Applications
TEA Listserv Bulletins

Join TEA listserv bulletins for updates and announcements.

https://public.govdelivery.com/accounts/TXTEA/subscriber/new
Questions?

Contact TEA Curriculum Division

• By email at curriculum@tea.texas.gov
• By telephone at (512) 463-9581
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