

# **TEA Curriculum Update**

**TETN**

**August 2016**

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# SBOE Updates

- **State Board of Education Mathematics Workshop** September 13, 2016
- **Proclamation 2017** – Preadoption samples:  
[http://tea.texas.gov/IMET/Proclamation\\_2017\\_Pre-Adoption\\_Samples/](http://tea.texas.gov/IMET/Proclamation_2017_Pre-Adoption_Samples/)

# Mathematics Academies

The mathematics and reading academies will be implemented during summer 2016 and summer 2017 according to the following schedule:

## Summer 2016

### Math

Grade 2 Mathematics  
Grade 3 Mathematics

### Reading

Kindergarten Reading  
Grade 1 Reading

## Summer 2017

### Math

Kindergarten Mathematics/  
Grade 1 Mathematics

### Reading

Grade 2 Reading  
Grade 3 Reading  
Grade 4 Reading  
Grade 5 Reading

# Mathematics Academies

- Mathematics and Reading Academies webpage:  
<http://tea.texas.gov/Curriculum/Academies/>
- To The Administrator Addressed Letter:  
[http://tea.texas.gov/interiorpage\\_wide.aspx?id=51539607870](http://tea.texas.gov/interiorpage_wide.aspx?id=51539607870)
- Chelaine Marion, Director of Foundation Education, Curriculum Division  
[Chelaine.Marion@tea.texas.gov](mailto:Chelaine.Marion@tea.texas.gov)

# High School 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.

To access the TEKS, please visit

<http://ritter.tea.state.tx.us/rules/tac/chapter111/index.html>.

# High School Prerequisites

**A student has not completed Algebra I. Can they still enroll in Geometry (or other courses, such as MMA)?**

Algebra I is a required prerequisite for Geometry. A student must meet prerequisite requirements for each course. Texas Administrative Code [§74.11](#) and [§74.71](#) provide additional clarification on prerequisites. If a situation arises where [§74.11\(j\)](#) or [§74.71\(k\)](#) are appropriate, it is a local decision on the process the district would use to determine equivalent knowledge of a course.

To find TAC Chapter 74, visit <http://ritter.tea.state.tx.us/rules/tac/chapter074>.

# High School 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);
- has demonstrated equivalent knowledge as determined by the school district; or
- 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.



# High School Prerequisites

Course	Prerequisite	Course	Prerequisite
<a href="#"><u>Algebra I</u></a>	Grade 8 Math or its equivalent	<a href="#"><u>Statistics</u></a>	Algebra I
<a href="#"><u>Algebra II</u></a>	Algebra I	<a href="#"><u>Precalculus</u></a>	Algebra I, Geometry, and Algebra II
<a href="#"><u>Geometry</u></a>	Algebra I	<a href="#"><u>Adv. Quantitative Reasoning</u></a>	Geometry and Algebra II
<a href="#"><u>Mathematical Models with Applications</u></a>	Algebra I	<a href="#"><u>Independent Study in Mathematics</u></a>	Geometry and Algebra II
<a href="#"><u>Algebraic Reasoning</u></a>	Algebra I	<a href="#"><u>Discrete Mathematics for Problem Solving</u></a>	Algebra II

To find TEKS for all of these courses, visit:

<http://ritter.tea.state.tx.us/rules/tac/chapter111/ch111c.html>.

# Update on Resources

[www.texasgateway.org](http://www.texasgateway.org)

The screenshot shows the Texas Gateway website homepage. At the top, there is a navigation bar with links for TEA WEBSITE, CONTACT TEA, and SIGN UP FOR UPDATES. Below this is a header section with the Texas Gateway logo, navigation links for TEKS, SEARCH, and MORE, and buttons for Log in and Sign Up. The main content area features a large banner image of a teacher interacting with students. Overlaid on this banner is a blue box with the text "Online resources FOR YOUR CLASSROOM" and a description: "Find engaging, TEKS-aligned resources that you can use with your students, as part of classroom instruction, interventions, acceleration, or additional practice." Below this is a "learn more" button. Under the banner, there are three buttons: BROWSE TEKS, BROWSE RESOURCES, and a search bar. Below these is a "Featured Resources" section with five resource cards: ELA & READING (Strategies for Editing: Practice Lesson 1 (English II Writing)), SOCIAL STUDIES (Exploration and Colonization of America), MATH (OnTRACK Grade 7 Math: Proportionality), MATH (Determining the Effects of Proportional Change on Area), and SCIENCE (Introduction to Plate Tectonics).

TEA WEBSITE CONTACT TEA SIGN UP FOR UPDATES

★ Texas Gateway  
for online resources by TEA

TEKS SEARCH MORE

Log in Sign Up

Online resources  
**FOR YOUR CLASSROOM**

Find engaging, TEKS-aligned resources that you can use with your students, as part of classroom instruction, interventions, acceleration, or additional practice.

learn more

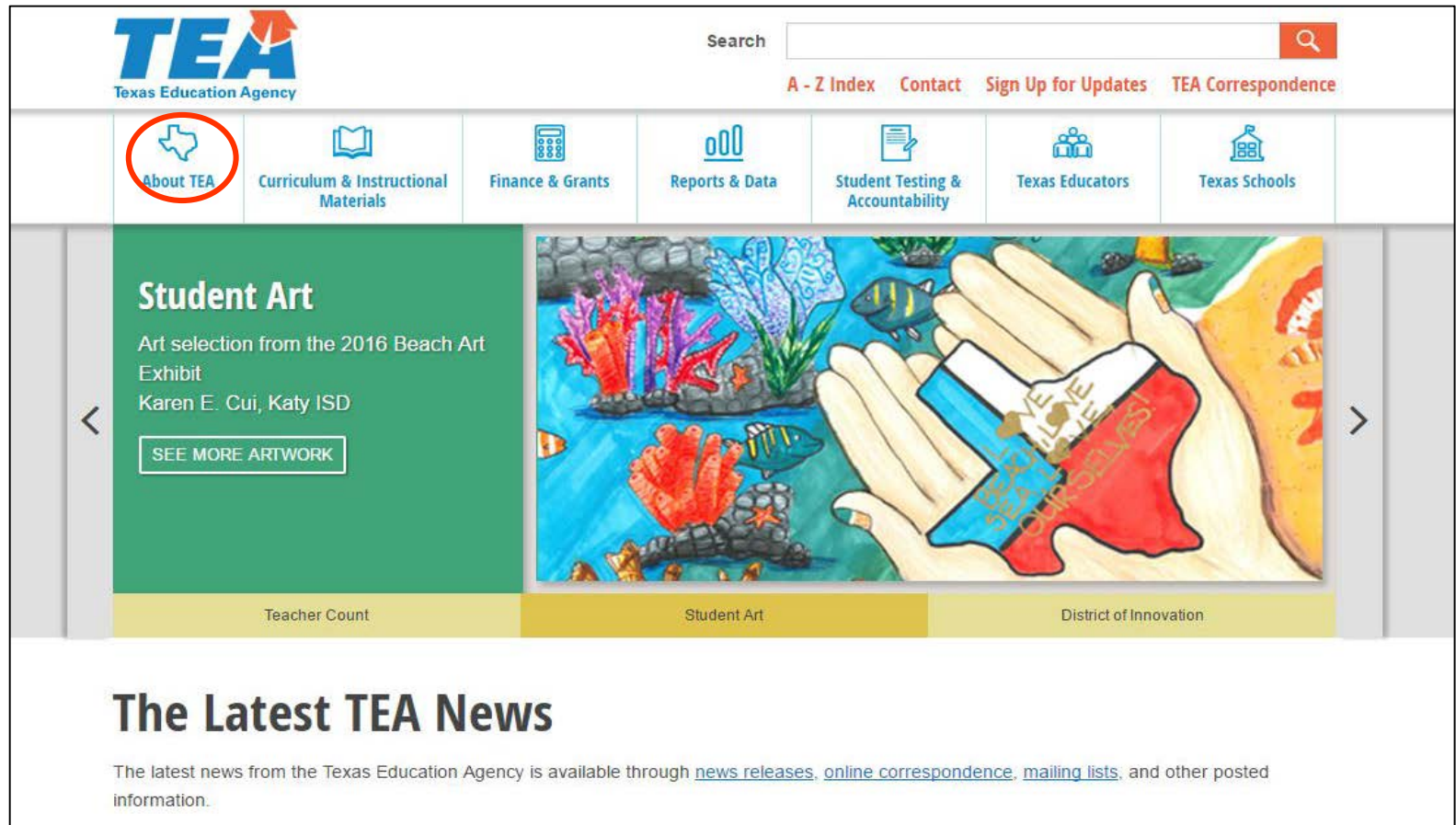
BROWSE TEKS BROWSE RESOURCES Search

**Featured Resources**

- ELA & READING  
Strategies for Editing:  
Practice Lesson 1  
(English II Writing)
- SOCIAL STUDIES  
Exploration and  
Colonization of America
- MATH  
OnTRACK Grade 7 Math:  
Proportionality
- MATH  
Determining the Effects  
of Proportional  
Change on Area
- SCIENCE  
Introduction to  
Plate Tectonics

# Update on Resources

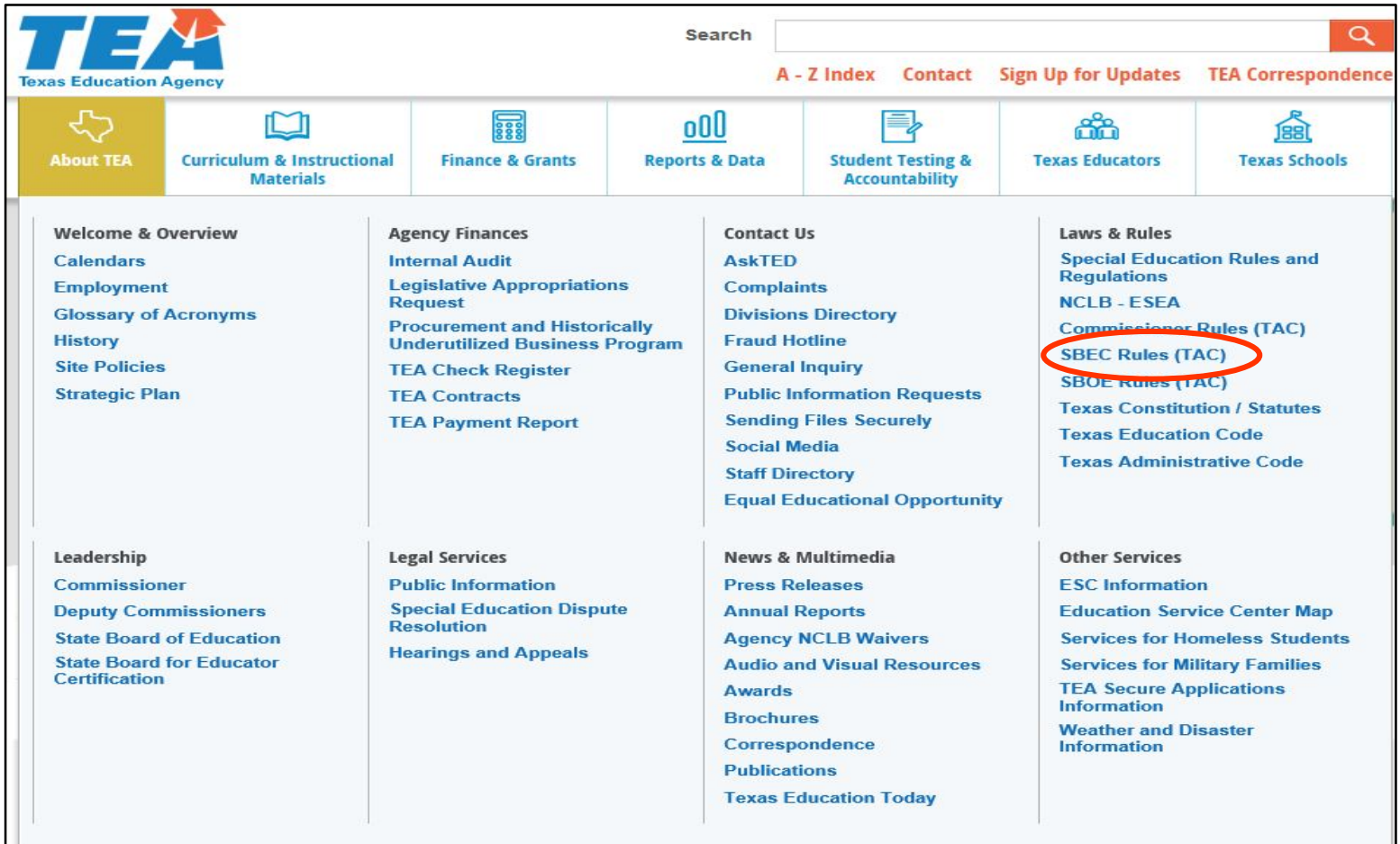
[www.tea.texas.gov](http://www.tea.texas.gov)



The screenshot shows the TEA website homepage. At the top left is the TEA logo. To its right is a search bar with a magnifying glass icon. Below the search bar is a navigation bar with links: A - Z Index, Contact, Sign Up for Updates, and TEA Correspondence. Below this is a row of icons and labels: About TEA (circled in red), Curriculum & Instructional Materials, Finance & Grants, Reports & Data, Student Testing & Accountability, Texas Educators, and Texas Schools. The main content area features a large banner for 'Student Art' with the text 'Art selection from the 2016 Beach Art Exhibit' and 'Karen E. Cui, Katy ISD'. Below this is a 'SEE MORE ARTWORK' button. To the right of the text is a colorful illustration of a hand holding a map of Texas with the text 'WE LOVE TEXAS' and 'OURSELVES!'. Below the banner are three yellow buttons: Teacher Count, Student Art, and District of Innovation. At the bottom, there is a section titled 'The Latest TEA News' with a paragraph of text: 'The latest news from the Texas Education Agency is available through [news releases](#), [online correspondence](#), [mailing lists](#), and other posted information.'

# Update on Resources

[www.tea.texas.gov](http://www.tea.texas.gov)



The screenshot shows the TEA Texas Education Agency website homepage. At the top is the TEA logo and a search bar. Below the logo are navigation links: A - Z Index, Contact, Sign Up for Updates, and TEA Correspondence. A horizontal menu bar contains icons and labels for: About TEA, Curriculum & Instructional Materials, Finance & Grants, Reports & Data, Student Testing & Accountability, Texas Educators, and Texas Schools. The main content area is a grid of links organized into four columns:

- Column 1:** Welcome & Overview, Calendars, Employment, Glossary of Acronyms, History, Site Policies, Strategic Plan; Leadership, Commissioner, Deputy Commissioners, State Board of Education, State Board for Educator Certification.
- Column 2:** Agency Finances, Internal Audit, Legislative Appropriations Request, Procurement and Historically Underutilized Business Program, TEA Check Register, TEA Contracts, TEA Payment Report; Legal Services, Public Information, Special Education Dispute Resolution, Hearings and Appeals.
- Column 3:** Contact Us, AskTED, Complaints, Divisions Directory, Fraud Hotline, General Inquiry, Public Information Requests, Sending Files Securely, Social Media, Staff Directory, Equal Educational Opportunity; News & Multimedia, Press Releases, Annual Reports, Agency NCLB Waivers, Audio and Visual Resources, Awards, Brochures, Correspondence, Publications, Texas Education Today.
- Column 4:** Laws & Rules, Special Education Rules and Regulations, NCLB - ESEA, Commissioner Rules (TAC), **SBEC Rules (TAC)** (circled in red), SBOE Rules (TAC), Texas Constitution / Statutes, Texas Education Code, Texas Administrative Code; Other Services, ESC Information, Education Service Center Map, Services for Homeless Students, Services for Military Families, TEA Secure Applications Information, Weather and Disaster Information.



# Update on Resources

[www.tea.texas.gov](http://www.tea.texas.gov)

[Home](#) / [About TEA](#) / [Laws and Rules](#) / [SBEC Rules \(TAC\)](#)

## State Board for Educator Certification Rules - Texas Administrative Code

State Board for Educator Certification (SBEC) rules are part of a larger body of state agency rules known as the Texas Administrative Code (TAC). The Office of the Secretary of State collects and publishes these rules. SBEC rules are codified under Title 19, Part VII, of the TAC. Title 19 is Education, and Part VII is the State Board for Educator Certification. The SBEC may adopt new rules or amendments to or repeals of existing rules.

Use the following link to view SBEC rules that are currently in effect.

[Texas Administrative Code - Currently in Effect](#) (last updated 07-01-16) (Chapter 244)

NOTE: The Texas Education Agency makes every effort to ensure that the information published on this Internet site is secure; however, due to the limitations of Internet security, the rules published here are for information only and do not represent legal documentation.

# Update on Resources

[www.tea.texas.gov](http://www.tea.texas.gov)

Chapter 231    **Requirements for Public School Personnel Assignments**

[Subchapter A. Criteria for Assignment of Public School Personnel](#)

[Subchapter B. Prekindergarten-Grade 6 Assignments](#)

[Subchapter C. Grades 6-8 Assignments](#)

[Subchapter D. Electives, Disciplinary Courses, Local Credit Courses, and Innovative Courses, Grades 6-12 Assignments](#)

[Subchapter E. Grades 9-12 Assignments](#)

[Subchapter F. Special Education-Related Services Personnel Assignments](#)

[Subchapter G. Paraprofessional Personnel, Administrators, and Other Instructional and Professional Support Assignments](#)

[Subchapter H. Assignments for Teachers Certified Before 1966](#)

# Update on Resources

[www.tea.texas.gov](http://www.tea.texas.gov)

**§231.191. Mathematics, Grades 9-12.**

An assignment for Mathematics, Grades 9-12, is allowed with one of the following certificates.

- (1) Grades 6-12 or Grades 9-12--Mathematics.
- (2) Junior High School (Grades 9-10 only) or High School--Mathematics.
- (3) Junior High School (Grades 9-10 only) or High School--Mathematical Science, Composite.
- (4) Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Mathematics (Grades 6-12).

# Update on Resources

[www.tea.texas.gov](http://www.tea.texas.gov)

**§231.287. Mathematical Applications in Agriculture, Food, and Natural Resources, Grades 9-12.**

(a) Subject to the requirements in subsection (b) of this section, an assignment for Mathematical Applications in Agriculture, Food, and Natural Resources,

- (1) Agriculture, Food, and Natural Resources: Grades 6-12.
- (2) Agricultural Science and Technology: Grades 6-12.
- (3) Any vocational agriculture certificate.
- (4) Master Mathematics Teacher (Grades 8-12).
- (5) Mathematics: Grades 7-12.
- (6) Mathematics: Grades 8-12.
- (7) Mathematics/Physical Science/Engineering: Grades 6-12.
- (8) Mathematics/Physical Science/Engineering: Grades 8-12.
- (9) Physics/Mathematics: Grades 7-12.
- (10) Physics/Mathematics: Grades 8-12.
- (11) Secondary Mathematics (Grades 6-12).



# Update on Resources

## Project Smart

The goals, measurable outcomes, and activities of *Project SMART: Making Mathematics Meaningful* were designed for the most mobile students enrolled in summer migrant programs.

The overarching goal of the project is to improve the math skills of migrant students through scientifically-based instruction, technology integration, professional development, and parent involvement.

For Project Smart, visit <http://www.projectsmaart.net/>.

# Update on Resources

## Using IHE-Endorsed course for a Fourth Mathematics Credit

### Required Forms

The following required forms are provided for district use.

[Endorsement Opt-Out Agreement](#) (PDF, 23KB)

[Locally Developed Course/Activity District Form \(§28.002\(g-1\)\)](#) (PDF, 651KB)

[Instructions for Locally Developed Course/Activity District Form \(§28.002\(g-1\)\)](#) (PDF, 651KB)

The Institution of Higher Education-Endorsed Course Registration Form required to register courses offered pursuant to TEC, §28.025(b-5), is available by request submitted to [curriculum@tea.texas.gov](mailto:curriculum@tea.texas.gov).

To find this page, visit <http://tea.texas.gov/graduation-requirements/hb5.aspx>.

# ESTAR/MSTAR

## ESTAR/MSTAR Universal Screener

- **Fall** – August 22 - October 14, 2016
- **Winter** – January 9 - February 10, 2017
- **Spring** – April 3 - May 5, 2017

# ESTAR/MSTAR

## ESTAR/MSTAR Diagnostic Assessments

- **Fall** – August 29 - October 21, 2016
- **Winter** – January 16 - February 17, 2017
- **Spring** – April 10 - May 12, 2017

Help Desk: [mathtx@esc13.net](mailto:mathtx@esc13.net)

# Course Numbers

Grade	2013-2014	2014-2015	2015-2016
Algebra I	410,455	425,237	429,185
Algebra II	329,699	316,264	331,736
Geometry	371,152	387,224	389,634
Precalculus	160,884	167,250	171,507
Math Models	89,573	92,575	78,967
Algebraic Reasoning	N/A	N/A	3,115
Statistics	N/A	N/A	3,044
Discrete Mathematics	N/A	N/A	188

# Curriculum Contacts

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