

STATE BOARD OF EDUCATION



PROCLAMATION 2014

April 2012

Texas Education Agency
Austin, Texas

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Introduction

This proclamation serves as notice to both ~~public~~ and the public that the State Board of Education (SBOE) is inviting bids to furnish new instructional materials for the following courses.

Mathematics

- Mathematics, grades K–8
- Mathematics (Spanish), grades K–5

Technology Applications

- Technology Applications, grades K–8
- Fundamentals of Computer Science
- Computer Science I
- Computer Science II
- Computer Science III
- Digital Forensics
- Discrete Mathematics
- Game Programming and Design
- Mobile Application Development
- Robotics Programming and Design
- Digital Design and Media Production
- Digital Art and Animation
- 3-D Modeling and Animation
- Digital Communications in the 21st Century
- Digital Video and Audio Design
- Web Communications
- Web Design
- Web Game Development

Science

- Science, grades K–8
- Science (Spanish), grades K–5
- Aquatic Science
- Astronomy
- Biology
- Chemistry
- Earth and Space Science
- Environmental Systems
- Integrated Physics and Chemistry
- Physics
- Principles of Technology
- Scientific Research and Design
- Anatomy and Physiology
- Engineering Design and Problem Solving
- Medical Microbiology
- Pathophysiology
- Advanced Animal Science
- Advanced Biotechnology
- Advanced Plant and Soil Science
- Food Science
- Forensic Science

To be eligible for adoption, instructional materials submitted in response to this proclamation must meet at least 50% of the elements of the Texas Essential Knowledge and Skills (TEKS)—for the subject and grade level for which the materials are intended—in both the student version and the teacher version of the instructional materials. ~~The~~ Materials must also comply with applicable manufacturing standards and be free from factual ~~errors~~ at the time of implementation in schools.

Instructional materials submitted in response to this proclamation will undergo a full and complete investigation by a state review panel to identify ~~the~~ extent to which the materials meet the required TEKS and to identify factual errors. At the ~~completion~~ of the review, the state review panels will report their findings to the commissioner of education.

The panels' findings serve as the basis for the commissioner of education's recommendation to the SBOE regarding the adoption of materials. The SBOE is scheduled to make its determination regarding the adoption of materials submitted in response to this proclamation in November of 2013. The SBOE's determination is final.

Instructional materials adopted under this proclamation are scheduled to be implemented beginning in the 2014–2015 school year. Adopted materials are eligible for purchase with funds from the Instructional Materials Allotment, and will be ordered by school districts and open-enrollment charter schools through the Texas Education Agency's (TEA) Educational Materials (EMAT) system. The intrastate freight costs for adopted instructional materials will be paid by the TEA.

This proclamation contains the TEKS for the subjects and grade levels for which bids are being invited. It also contains a detailed schedule of adoption procedures, the 2010–2011 enrollment for each course included in the proclamation, specifics for providing digital files for the production of Braille and large-type versions of adopted instructional materials, and a glossary of terms. Additional information and specific instructions addressing the requirements of this proclamation will be released on the TEA website.

In addition to this proclamation, all interested publishers and other content providers should carefully read and fully understand both the statutes and the administrative rules that govern the review and adoption of instructional materials. The language of [Chapter 31 of the Texas Education Code \(TEC\)](#) is available on the Texas Legislature's website. The language of [Senate Bill 6, passed by the 82nd Texas Legislature](#) is available on the TEA's website. The language of [Subchapters A through C of Title 19, Chapter 66 of the Texas Administrative Code](#) is available on the Texas Secretary of State's website. It is imperative for each participant in the adoption to carefully read and fully understand all of this information.

Schedule of Adoption Procedures

2012

January 2012 *SBOE Meeting*

Friday, April 19, 2013 (continued)

Deadline for publishers to file a signed Affidavit of Authorship certifying that each individual whose name is listed as an author or contributor of content was engaged in the development of the materials. In the affidavit, the publisher shall also state in general terms each author's involvement in the development. Publishers shall file all documents by 5:00

July 2013 *SBOE Meeting*

SBOE may hold public hearing on instructional materials submitted for adoption.

Friday, August 2, 2013

Deadline for publishers to file Publisher's Certification of Editorial Review that instructional materials have been edited for accuracy, content, and compliance with requirements of the proclamation. Publishers shall file all documents by 5:00 P.M. CDT.

Deadline for publishers to file Identification of Factual Errors by Publishers and the corrections to be made to the instructional materials submitted for adoption. Publishers shall file all documents by 5:00 P.M. CDT.

Friday, September 6, 2013

Deadline for Texas residents to file lists of alleged factual errors in instructional materials under consideration for adoption. Residents shall file all documents by 5:00 P.M. CDT.

Deadline for Texas residents to file official written comments concerning instructional materials submitted for adoption. Residents shall file all documents by 5:00 P.M. CDT.

Prior to the September hearing, the TEA will provide written comments and lists of alleged factual errors to the SBOE, participating publishers, ESCs, and persons who have filed written requests.

Deadline for publishers who elect to protest the preliminary recommendation to file request for show-cause hearings. Publishers shall file all documents by 5:00 P.M. CDT.

September 2013

Prior to the SBOE meeting, commissioner of education publishes schedule and procedures for the public hearing to be held by the SBOE.

Members of the general public request to appear at the public hearing before the SBOE; priority will be given to Texas residents. Parties shall file all documents, which shall identify subjects, titles, and publishers of instructional materials to be addressed, with the TEA's division of Instructional Materials and Educational Technology.

Friday, September 13, 2013

Deadline for publishers to provide the name, address, and telephone number of the production manager of each printed instructional materials being prepared for submission. Publishers shall file all documents by 5:00 P.M. CDT.

September 2013

Prior to the SBOE meeting, the TEA releases copies of official written comments from Texas residents via the TEA website.

September 2013 *SBOE Meeting*

SBOE holds public hearing on instructional materials submitted for adoption. The archived webcast will be available through the TEA website.

10 working days after the close of the hearing

Deadline for publishers and any person who participated in a hearing before the SBOE to file responses to official written comments from Texas residents and to testimony presented at the public hearing. Respondents shall file all documents by 5:00 P.M. CDT.

10 working days after receiving official written comments

The commissioner of education releases copies of responses to written and/or oral testimony to members of the SBOE, ESCs, participating publishers, and persons who have filed written requests.

Friday, September 27, 2013

Deadline for publishers to file one signed original copy and one electronic copy of the Bid Form. Publishers shall file all documents by 5:00 P.M. CDT.

Friday, October 4, 2013

Deadline for persons to file complaints alleging violations of statutes, rules, or procedural irregularities. Persons shall file all documents by 5:00 P.M. CDT.

The commissioner of education may hold a formal or informal hearing in the case of an apparent violation of statute. Upon determining that a violation has occurred, the commissioner shall report the findings to the SBOE.

The commissioner of education is responsible for the Report of the Commissioner of Education Concerning Required Corrections of Factual Errors, including all corrections of factual errors

List of Publisher Corrections: Participants submitting instructional materials for adoption must provide a list of all corrections and editorial changes necessary to each student and teacher component of an instructional material submission. All actual errors must be corrected before adopted materials are implemented in schools.

Electronic Files for the Production of Braille and Large-Type Materials: Participants submitting print instructional materials for adoption must provide NIMAS-compliant electronic files, and agree to allow the TEA or its agents to reproduce adopted instructional materials in a format suitable for students and teachers with visual impairments. Additionally, participants must provide the TEA with contact information for each production manager of instructional material.

Official Bid Form:

Student Enrollment by Grade Level/Course

Enrollment numbers for kindergarten through eighth grade represent reported student enrollment for those grade levels for the 2010–2011 school year. The enrollment numbers for elective courses in middle school and all high school courses represent reported enrollment for those courses for the 2010–2011 school year. The enrollment information for Spanish comes from the reported enrollment of limited English proficient students in bilingual education programs in each grade.

Course	2010–2011 Enrollment
Elementary Grades	
Grade K	374,178
Grade 1	387,884
Grade 2	379,887
Grade 3	375,432
Grade 4	374,078
Grade 5	372,498
Grade 6	361,662
Grade 7	357,344
Grade 8	354,244
Elementary Grades (Spanish)	
Grade K	77,799
Grade 1	78,423
Grade 2	73,416
Grade 3	68,391
Grade 4	55,025
Grade 5	38,969
Science and CTE Courses for Science Credit	
Aquatic Science	26,689
Astronomy	14,919
Biology	407,915
Chemistry	341,270

Course	2010–2011 Enrollment
Science and CTE Courses for Science Credit (continued)	
Earth and Space Science	14,408
Environmental Systems	47,517
Integrated Physics and Chemistry	140,207
Physics	233,977
Principles of Technology	17,493
Scientific Research and Design	10,287
Anatomy and Physiology	60,719
Engineering Design and Problem Solving	1,407
Medical Microbiology	4,679
Pathophysiology	4,335
Advanced Animal Science	4,908
Advanced Biotechnology	578
Advanced Plant and Soil Science	975
Food Science	7,738
Forensic Science	12,309
Technology Applications*	
Fundamentals of Computer Science	475
Computer Science I	10,026
Computer Science II	729
Computer Science III	159
Digital Forensics	101
0001 Tw4</MCID 28 >>BDC 37.597 0 s4e>	10,287

Course	2010–2011 Enrollment
Technology Applications (continued)*	
Digital Art and Animation	6,977
3-D Modeling and Animation	159
Digital Communications in the 21st Century	958
Digital Video and Audio Design	2,901
Web Communications	451
Web Design	4,621
Web Game Development	95

*Because 2011–2012 enrollment data for some Technology Applications courses is unavailable, enrollment data for all of the Technology Applications courses is from the 2012–2013 school year.

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Texas Essential Knowledge and Skills

The Texas Essential Knowledge and Skills (TEKS) describe what students should know and be able to do for each course in the required curriculum.

The tables below provide links to the TEKS for each of the courses included in Proclamation 2014.

Chapter 112. Texas Essential Knowledge and Skills for Science
§112.11. Science, Kindergarten, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112a.html#112.11
§112.12. Science, Grade 1, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112a.html#112.12
§112.13. Science, Grade 2, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112a.html#112.13
§112.14. Science, Grade 3, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112a.html#112.14
§112.15. Science, Grade 4, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112a.html#112.15
§112.16. Science, Grade 5, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112a.html#112.16
§112.18. Science, Grade 6, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112b.html#112.18
§112.19. Science, Grade 7, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112b.html#112.19
§112.20. Science, Grade 8, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112b.html#112.20
§112.32. Aquatic Science, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.32
§112.33. Astronomy, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.33
§112.34. Biology, Beginning with School Year 2010-2011 http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.34

Chapter 112. Texas Essential Knowledge and Skills for Science

§112.35. Chemistry, Beginning with School Year 2010-2011
<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.35>

§112.36. Earth and Space Science, Beginning with School Year 2010-2011
<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.36>

§112.37. Environmental Systems, Beginning with School Year 2010-2011
<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.37>

§112.38. Integrated Physics and Chemistry, Beginning with School Year 2010-2011
<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.38>

§112.39. Physics, Beginning with School Year 2010-2011
<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112c.html#112.39>

§112.71. Principles of Technology
<http://ritter.tea.state.tx.us/rules/tac/chapter112/ch112d.html#112.71>

Capítulo 112. Conocimientos y destrezas esenciales en Texas para ciencias

§112.11–§112.16 Ciencias Kindergarten–grade 5
<http://www.tea.state.tx.us/WorkArea/linkit.aspx?linkIdentifier=id&ItemID=2147501151&libID=2147501146>

Chapter 130. Texas Essential Knowledge and Skills for
Career and Technical Education

§130.7. Advanced Animal Science (One Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130a.html#130.7>

§130.21. Advanced Plant and Soil Science (One Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130a.html#130.21>

§130.206. Anatomy and Physiology (One Science Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130h.html#130.206>

§130.207. Medical Microbiology (One-Half to One Science Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130h.html#130.207>

§130.208. Pathophysiology (One-Half to One Science Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130h.html#130.208>

§130.230. Food Science (One Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130i.html#130.230>

§130.295. Forensic Science (One Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130l.html#130.295>

§130.364. Advanced Biotechnology (One Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130o.html#130.364>

§130.372. Scientific Research and Design (One Science Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130o.html#130.372>

§130.373. Engineering Design and Problem Solving (One Science Credit)

<http://ritter.tea.state.tx.us/rules/tac/chapter130/ch130o.html#130.373>

Additional Considerations for Addressing the Mathematics Standards

- I. Student mastery of standard algorithms, including addition, subtraction, multiplication, division, is the capstone standard for elementary mathematics.

Chapter 126. Texas Essential Knowledge and Skills for
Technology Applications

§126.6. Technology Applications, Kindergarten-Grade 2, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126a.html#126.6>

§126.7. Technology Applications, Grades 3-5, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126a.html#126.7>

§126.14. Technology Applications, Grade 6, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126b.html#126.14>

§126.15. Technology Applications, Grade 7, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126b.html#126.15>

§126.16. Technology Applications, Grade 8, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126b.html#126.16>

§126.32. Fundamentals of Computer Science (One-Half to One Credit), Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.32>

§126.33. Computer Science I, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.33>

§126.34. Computer Science II, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.34>

§126.35. Computer Science III, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.35>

§126.36. Digital Forensics, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.36>

§126.37. Discrete Mathematics, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.37>

§126.38. Game Programming and Design, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.38>

§126.39. Mobile Application Development, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.39>

Chapter 126. Texas Essential Knowledge and Skills for
Technology Applications

§126.40. Robotics Programming and Design, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.40>

§126.41. Digital Design and Media Production, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.41>

§126.42. Digital Art and Animation, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.42>

§126.43. 3-D Modeling and Animation, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.43>

§126.44. Digital Communications in the 21st Century, Beginning with School Year
2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.44>

§126.45. Digital Video and Audio Design, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.45>

§126.46. Web Communications, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.46>

§126.47. Web Design, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.47>

§126.48. Web Game Development, Beginning with School Year 2012-2013

<http://ritter.tea.state.tx.us/rules/tac/chapter126/ch126c.html#126.48>

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English Language Proficiency Standards

The English Language Proficiency Standards (ELPS) outline English language proficiency level descriptors and student expectations for English language learners (ELLs). In order to be eligible for adoption, instructional materials must meet 100% of the ELPS.

The tables below provide links to the ELPS.

English Language Proficiency Standards
§74.4. English Language Proficiency Standards http://ritter.tea.state.tx.us/rules/tac/chapter074/ch074a.html#74.4

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Glossary of Terms

For the purpose of Proclamation 2014, the following words and terms will have the following meanings:

Ancillaries Those materials not listed on the publisher's Statement of Intent to Bid that the publisher plans to provide to districts and open enrollment charter schools free with each order.

Identification of Errors and Changes by Publisher Form. Please see Error Form.

Evaluation Form (State Review Panel evaluation) A document that the state review panels complete and submit detailing where the instructional material addresses the Texas Essential Knowledge and Skills (TEKS)

Exhibit A Please see Official Bid Form.

Extensible Markup Language (XML) A general-purpose specification developed by the World Wide Web Consortium (W3C) for creating custom markup languages whereby the meaning of text can be understood directly from its context in the file. NIMAS is an example of XML.

Form B and Warranty of Publisher A signed statement certifying that the printed books submitted for adoption conform in every respect to Manufacturing Standards and Specifications for Textbooks (MSST).

Form M and Warranty of Publisher A signed statement certifying that the electronic media submitted for adoption conform in every respect to Manufacturing Standards and Specifications for Textbooks (MSST).

Foundation Subjects Those subjects other than the enrichment subjects that public schools in Texas must offer to their students. The subjects are English language arts, mathematics, science, and social studies.

Identification of Errors and Changes by Publisher Form A document with which a publisher provides the list of all corrections necessary to the student and teacher component of an instructional materials submission.

Instructional Materials Allotment (IMA) An annual allocation of money from the Instructional Materials Fund to each school district and open-enrollment charter school. The allotment is based on student enrollment, and the per-student amount is determined by the commissioner of education.

Instructional Materials Fund A reserve of capital comprised of an amount set aside by the State Board of Education from the available school fund and any amounts lawfully paid into the fund from any other source. Money from the instructional materials fund is used to finance the instructional materials allotment.

Instructional Materials Content that conveys the essential knowledge and skills of a subject in the public school curriculum through a medium or a combination of media for conveying information to a student. The term includes a book, supplementary materials, a combination of a book, workbook, and supplementary materials, computer software, magnetic media, DVD, CD-ROM, computer courseware, online services, or any electronic medium or other me.001 Tan el

International Standard Book Number (ISBN) A unique number that identifies books and book-like products internationally. Each component listed in the Statement of Intent to Bid have a unique 13-digit ISBN.

Manufacturing Standards and Specif

Additionally, publishers of electronic instructional materials adopted under Proclamation 2014 are required to offer these programs in accessible format in accordance with the technical standards of the Federal Rehabilitation Act of 1973, Section 508. Additional information is available on the Section 508 website: <http://www.Section508.gov>. Please refer to Section Electronic Instructional Materials. The portion of specifications entitled "Accessibility Information Resources for Publishers of Electronic Instructional Materials" has been updated to show the latest versions of publications related to the development of accessible electronic instructional materials.

Computer files and printed instructional materials are required for all subjects for automated braille instructional materials produced under Proclamation 2014. However, computer files are not required for Kindergarten instructional materials as the content is too pictorial for producing in a braille format.

Each publisher participating in Proclamation 2014 is required to provide the name, address, telephone number, fax number and e-mail address of the individual responsible for providing the computerized files, normally the instructional materials production manager, by September 13, 2013. Communication between the Division of Instructional Materials and Educational Technology and the publisher's representative responsible for providing the computerized files should begin early in the file production process. Publishers will send a small test file and associated print pages to the Division of Instructional Materials and Educational Technology, Attention: Distribution and Accessibility Director, by October 4, 2013. Early detection of any problems in the test file will allow time for publishers and braille producers to remedy these problems before the final delivery deadline. Also, publishers will be requested to submit three copies of the designated print student materials and one copy of the computerized files to be used in production of Braille versions. Publishers should provide computerized files of blackline masters or other materials clearly intended for student use even though they are included in the teacher component. Printed student materials and computer files must be received by the Instructional Materials and Educational Technology Division no later than December 6, 2013.

Publishers are required to submit three print copies and NIMAS files of student components adopted in Proclamation 2014 that incorporate all required corrections. Corrected student components and NIMAS files must be received no later than May 2, 2014.

Procedures For Providing Electronic Files And Printed Materials To Braille, Large-Type, and Audio Producers

- (1) September 13, 2013: Publishers provide to the Instructional Materials and Educational Technology Division the name, address, telephone number of the production manager of each printed textbook or instructional material being prepared for submission. This information should be sent to Ms. Kelly Griffin, at e-mail address: kelly.griffin@tea.state.tx.us, fax number (512) 463-8278, or regular address: 1701 North Congress Avenue, Room 3.1A, Austin, Texas 78701.

- (2) October 4, 2013 Publishers send a small NIMAS file and associated print pages to the Instructional Materials and Educational Technology Division, Attention: Distribution and Accessibility Director. In the past, this procedure has proven to be extremely beneficial to publishers and braille producers. It has significantly facilitated communication between publishers and braille producers. After receipt of the NIMAS test files, braille producers designated by

NIMAS 1.1 Technical Specifications

The NIMAS 1.1 technical specification can be found at http://aim.cast.org/experience/technologies/spec-v1_1