



To Algebra 1-2/Algebra AB/Algebra CD Students and Parents:

Course Description

Algebra 1-2 is a one-year course and Algebra AB/Algebra CD is a two-year course. Students enrolled in Algebra 1-2 will study all of the Algebra I Content Standards by the end of the year. Students enrolled in Algebra AB will review their Grade 6 and 7 Content Standards as well as study part of the Algebra I Content Standards. They will finish their study of the Algebra I Standards in Algebra CD. The complete Algebra course is an introduction to the language and applications of algebra, including development of the real number system, variables, mathematical expressions, linear equations, problem solving, inequalities, polynomials, special products and factoring, graphs, relations and functions, quadratic equations, rational and radical expressions, and basic statistics and probability.

***All students must pass a full year of Algebra, either both semesters of Algebra 1-2, or both years of Algebra AB and Algebra CD, in order to graduate from high school. In addition, all students are required to pass the California High School Exit Exam. Approximately 85% of the items in the mathematics section of this exam test 6th and 7th grade content standards and the remaining items test Algebra 1 content.**

Basic Texts

All students are provided with state approved textbooks for this class. Students will need their textbooks both at school and at home every day.

College Preparation

This is a college preparatory math class in which students need to earn a “C” or better in order to fulfill the “a-g” admission requirements for California State University (CSU) and University of California (UC). Students who are enrolled in Algebra are beginning the requirements for college admission to CSU and UC which include Algebra, Geometry, and Intermediate Algebra. Students should strive to take math during all four years of high school to ensure their college success.

Student Expectations

Students who expect to succeed must take an active part in their Algebra class, complete all assigned work, perform well on quizzes and tests, and attend class regularly. Students’ grades are based on homework, classwork, Cornell notes, open-ended math questions, quizzes, tests, and other assessments such as presentations and projects.

Cornell Notes

Students are expected to take notes during instruction, which they can refer to for homework and test preparation. Notes include vocabulary, descriptions, examples, visual models, and summaries to create a learning record of math concepts and processes learned.

Homework

Homework is assigned daily, and all work must be shown for credit. This is an area in which parents can take an active role. Parents should provide students with an appropriate work area and check their child's work for neatness and completeness throughout the year. It is important that students study the material, identify any problem areas, and secure additional help immediately if they have any questions. Students may get help on homework Monday through Thursday by calling the Homework Helpline at (562) 437-2859 between 4:00 pm - 6:00 pm.

District Assessments

Algebra students take a variety of district assessments. At the end of quarter 1, students take a 20-item multiple-choice exam; at the end of the first semester, students take a 50-item multiple-choice exam; and at the end of quarter 3, students take a 20-item multiple-choice exam. At the end of the school year, teachers of Algebra 1-2/CD administer the LBUSD End-of-Course Exam containing 50 multiple choice questions covering the same math standards as the Algebra 1 California Standards Test (CST), which is part of the Standardized Testing and Reporting (STAR) exam. Teachers of Algebra AB administer the LBUSD End-of-Course Exam containing 50 multiple choice questions which cover the first half of the course.

Calculator Usage

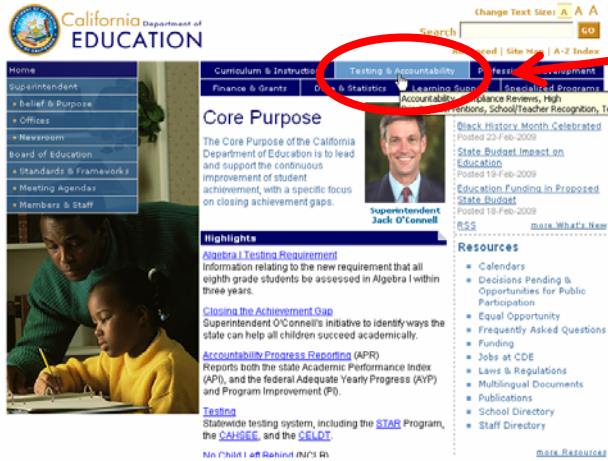
Although Long Beach Unified School District expects students to be proficient in many skills without the use of a calculator, Algebra requires that students learn to use a scientific calculator for more complex problems. Some calculators will be available in the classroom, but it is important that all students own a scientific calculator in order to complete class assignments and homework. The use of calculators is not allowed on the STAR test or either of the LBUSD quarter exams described above. The LBUSD 1st semester and End-of-Course Exam allow the use of a scientific calculator.

Standardized Testing and Reporting Program (STAR) for Algebra 1-2/AB/CD

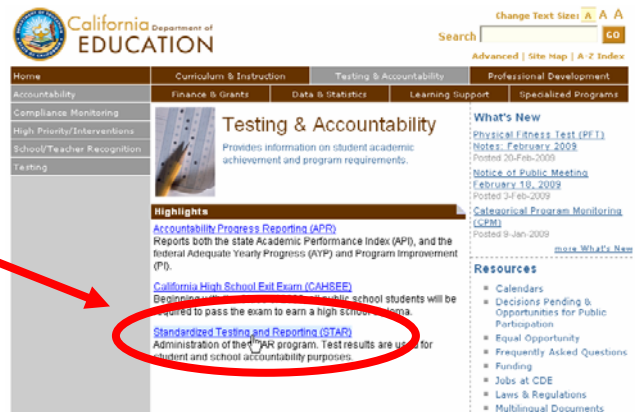
All students in grades 9 - 11 will take the STAR test in the spring. Students enrolled in Algebra 1-2 or Algebra CD take the Algebra 1 California Standards Test (CST). Students who are enrolled in Algebra AB take the General Math Exam. Calculators may not be used for the STAR exam. Released questions can be found on the California Department of Education's website: www.cde.ca.gov (see pages 3 and 4).

Accessing the CST Released Items

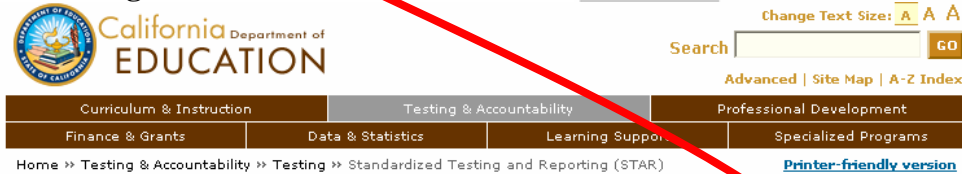
1. Go to www.cde.ca.gov
2. Click **Testing and Accountability**



3. Click **Standardized Testing and Reporting (STAR)**



4. Click **Program Resources**



Standardized Testing and Reporting (STAR)

Administration of the Standardized Testing and Reporting (STAR) program. Test results are used for student and school accountability purposes.

[Test Results Reporting Site](#)

STAR 2008 results are now available.

[2008 STAR Program Summary of Results](#) (Posted 15-Aug-2008; DOC; 372KB; 16pp.)

[Testing Variations, Accommodations, and Modifications](#) (Posted 01-11-2008; DOC; 2.3MB; 6pp.)

[Program Resources](#)

Copyright permission, performance level tables, reference sheets, California Standards Tests blueprints, writing guides, frequently asked questions, information and assistance packets, and technical reports.

[CAPA Alternate Performance Assessment \(CAPA\)](#)

[California Modified Assessment \(CMA\)](#)

[Administrative Documents](#)

STAR regulations, Pre-ID, apportionment, and item and time charts.

[Program Notes](#)

STAR Assessment Notes.

5. Click **California Standards Test (CST) Released Questions**

Program Resources
Supplemental information for the STAR Program.

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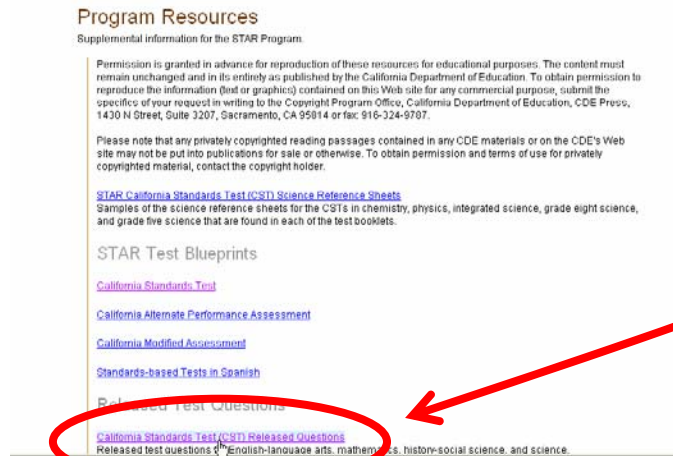
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[STAR California Standards Test \(CST\) Science Reference Sheets](#)
Samples of the science reference sheets for the CSTs in chemistry, physics, integrated science, grade eight science, and grade five science that are found in each of the test booklets.

STAR Test Blueprints

- [California Standards Test](#)
- [California Alternate Performance Assessment](#)
- [California Modified Assessment](#)
- [Standards-based Tests in Spanish](#)
- [Released Test Questions](#)

[California Standards Test \(CST\) Released Questions](#)
Released test questions in English language arts, mathematics, history-social science, and science.



6. Under **Mathematics**, click **Algebra 1**

Mathematics

[Grade 2](#) (PDF; 3.8MB; 49pp.)

[Grade 3](#) (PDF; 784KB; 32pp.)

[Grade 4](#) (PDF; 706KB; 31pp.)

[Grade 5](#) (PDF; 1.3MB; 30pp.)

[Grade 6](#) (PDF; 554KB; 27pp.)

[Grade 7](#) (PDF; 1.1MB; 30pp.)

[Geometry](#) (PDF; 607KB; 35pp.)

[Algebra I](#) (PDF; 1.1MB; 27pp.)

[Algebra II](#) (PDF; 736KB; 27pp.)