



Administrative Regulation 6301

Mathematics

Responsible Office(s): Office of Academics

PURPOSE

This administrative regulation shall describe and define the guidelines related to mathematics, to include courses, credit and proficiency, in the Washoe County School District ("District").

REGULATION

1. Curriculum

- a. The K-12 Nevada Academic Content Standards in Mathematics will form the basis for the district-wide curriculum. All students will pursue conceptual understanding, procedural skill and application of mathematical concepts and real world problems. Calculators and computers will be an integral part of course work, but they will not replace the student's understanding of and ability to carry out computational processes without their aid.
- b. For grades K-8 and all high school mathematics courses, the District will develop instructional course guides that will guarantee that all Nevada Academic Content Standards for Mathematics are taught by the end of the school year. This will help to mitigate the effects of student transiency upon learning.
- c. All K-8 students will be taught and will be expected to demonstrate proficiency in the standards and benchmarks for their grade level. For grades 3-8, demonstrating proficiency means scoring at the Meets Standard or Exceeds Standard levels on any state required exam.
- d. All students who demonstrate proficiency on multiple data sources will be actively encouraged to enroll in Algebra 1 in 8th grade. All middle schools will offer sufficient sections of Algebra 1 to meet the needs of all qualified students. Algebra 1 taught at the middle school level will be the same course, same textbook and same grading policies as the high school Algebra 1 course.
- e. Every entering ninth grader must be enrolled in Algebra 1 or higher depending upon successful completion of middle school math. Exceptions will be made for students certified as ESL or Special Ed who may be enrolled in an appropriate alternative math class. Every entering ninth grader must have successfully completed three semesters of middle school math or have an approved plan for remediation if promoted to high school.

- f. In order to reach proficiency in the exit level standards and benchmarks, all students must complete Algebra 1, Geometry or Formal Geometry and Algebra 2 or Algebra 2 Honors prior to graduation. Recognizing that the needs of the workplace and post-secondary education now require the content beyond Algebra 2, all students, with a limited exception, will be enrolled in mathematics during all four years of high school. The District-wide course sequence for high school mathematics will be Algebra 1, Geometry or Formal Geometry, and Algebra 2 or Algebra 2 Honors. Post Algebra 2, students may enroll in various options based upon student need and interest (see Administrative Procedure 6646, Grades 6-12 – WCSD Recommended Pathways to Advanced Mathematics, for the course sequence). All high schools may not necessarily offer all post Algebra 2 options.
 - g. In order to ensure continuity for students who transfer among district high schools and to ensure equity of opportunity and expectations for all students, all comprehensive high schools with a total 9-12 grade enrollment greater than 300 students will provide at least one section of Formal Geometry, Algebra 2 Honors, Trigonometry/Pre-Calculus, and AP Calculus each year.
2. Time for Mathematics
 - a. A minimum of 70 minutes per day of mathematics instruction is required in all K-6 classrooms. Additional instructional time during the school day will be provided for students below proficient (outside of the 70 minutes of mathematics instruction).
 3. Assessment practices will be consistent with Board Policy 6200, Assessment, and any accompanying documents.
 4. Every high school will provide support for students who need extra help in order to succeed.

DESIRED OUTCOMES

1. All students will graduate from high school ready to pursue college or a highly skilled career having taken four years of mathematics.

DEFINITIONS

1. "Career and college ready" requires more than just a high school diploma. It means that a high school graduate is ready to pursue preparation for a highly-skilled career and is admissible to and prepared to succeed in first-year, credit-bearing classes without remediation, at a 2- or 4-year college, technical or trade

school, or apprenticeship program. A “career” differs from a “job” in that a career offers the opportunity to advance and develop professionally.

IMPLEMENTATION GUIDELINES & ASSOCIATED DOCUMENTS

1. This document reflects the goals of the District’s Strategic Plan and aligns with the governing documents of the District, to include:
 - a. Board Policy 6300, Mathematics
 - b. Administrative Procedure 6302, Mathematics Credit – High School
 - c. Administrative Procedure 6302, Mathematics Credit – Middle School
 - d. Administrative Procedure 6646, Grades 6-12 – WCSD Recommended Pathways to Advanced Mathematics
 - e. Board Policy 6200, Assessment
2. This document aligns with Nevada Revised Statutes (NRS) and Nevada Administrative Code (NAC), to include
 - a. Chapter 389, Academics and Textbooks, and specifically:
 - i. NRS 389.018 – 389.180, Development of Academic Subjects and Courses of Study

REVIEW AND REPORTING

1. This administrative regulation shall be reviewed as part of the bi-annual review and reporting process, following each regular session of the Nevada Legislature. The Board of Trustees shall receive notification of any required changes to the guiding policy as well as an audit of the accompanying governing documents.
2. Additional administrative regulations and/or other associated documents may be developed as necessary to implement and support this administrative regulation.

REVISION HISTORY

Date	Revision	Modification
12/07/2004	1.0	Adopted
1/20/2016	2.0	Revised – various changes related to courses and instructional time