

Math Department Board Report

2025-2026

What do we want students to learn?

Our mathematics curriculum is based upon the Nebraska Mathematics Standards and the Arlington mission statement to develop skills for lifelong learning. Students in grade 9 are assessed in the fall, winter, and spring using the MAP test. Students in grades 7-8 complete the math MAP test in the fall and winter, then take the NSCAS test in the spring. In order to prepare students for these exams and to promote student growth and development, we are doing goal setting prior to each test. Students fill out individual goal sheets tailored to their specific areas of strengths and weaknesses. This helps the students become stakeholders in the process because they see what their scores are and how they are doing over the course of the school year. Once students have taken their math MAP test, we as teachers then review their scores and data and go over new goals for them to set for the next test.

Our 11th grade students are assessed in the spring through the ACT. For our 10-12 grade students, the mathematics department uses the following assessments to prepare them for the upcoming tests:

- John Baylor Test Prep (ACT, required by all juniors in the spring)-Grade 11
- Pre-ACT tests-Grade 10

How do we know students are learning?

As noted above, MAP tests are given to 9th grade students three times per year to analyze student growth. Middle school students take the MAP test in the fall and winter, then take the NSCAS test in the spring.

Below is the data for the first two administrations of the MAP test for grades 7 and 8. The 9th grade students will take their second MAP test January 12 and 13.

Grade Level	National Average RIT Score (Fall 2025)	APS Average RIT Score (Fall 2025)	National Average RIT Score (Winter 2025)	APS Average RIT Score (Winter 2025)	Average Student Growth by Grade Level
7th	217	225	221	227	+2
8th	222	228	226	232	+4
9th	224	236	N/A	Testing in Jan.	

The state of Nebraska continues to use the ACT as the 11th grade statewide assessment. The following table shows trend data for proficiency shared by Tashia Wolf for the ACT Math test.

ACT - Math	2024-25	2023-24	2022-23	2021-22	2018-19	2017-18
Percentage of Students Proficient	69	64	48	70	50	61

Composite Score Average	20.4	21.3	19	20.1	19.7	20.5
State Composite Score Average	18.9	18.8	18.9	19.1	19.7	19.8

How do we respond when students are not learning?

In the middle and high school, the GRIP program is utilized to give students an opportunity to work on missing work or work that is not deemed proficient.

We offer extra support in certain classes to those students who struggle with math. These classes are either co-taught by a mathematics and a special education teacher or have extra support available with a paraeducator. Students are placed in these classes by teacher recommendation. Currently, Math 7, Pre-Algebra, Basic Algebra I, Basic Geometry, and Math Topics are being offered as co-taught/supported classes.

Students that exhibit sustained difficulty in math are referred to the secondary MTSS team.

How do we extend or enrich the learning for students who exceed proficiency?

In middle school, we offer advanced math courses for those students who excel in mathematics. We offer an Algebra I course to advanced 8th grade students and a Pre-Algebra course to advanced 7th grade students. Students are also given the opportunity to participate in the Accelerated Learning Program, which is a STEM-based class.

In the high school, we offer honors level courses to our advanced learners. We offer dual enrollment Intermediate Algebra, Statistics, PreCalculus Algebra, Trigonometry, and Calculus I. New to our offerings this year are the Intermediate Algebra and Statistics courses. Each is a one-semester course. We also offer Technical Math and Business Math through Metropolitan Community College to our students planning to attend a two year college. The Technical Math course offers two tracks: construction-related trades, automotive-related trades. All students complete a prerequisite college PreAlgebra course and then select the Technical or Business class they want to take. The courses are self-paced and students have two semesters to complete the course they choose. If they finish early they have the option to take another course to earn additional credits.

Other Information

This is the second year of implementing our new Big Ideas curriculum. One of the enhancements of Big Ideas (compared to our previous Big Ideas curriculum) is the ability of teachers to customize online homework, quizzes and tests. Previously we could not adjust these. This allows us to tailor these formative and summative assessments to best measure our students' understanding and progress.