

ALVIN ISD

ADVANCED ACADEMICS

Junior High Programs Overview



ALVIN ISD ADVANCED ACADEMICS MISSION

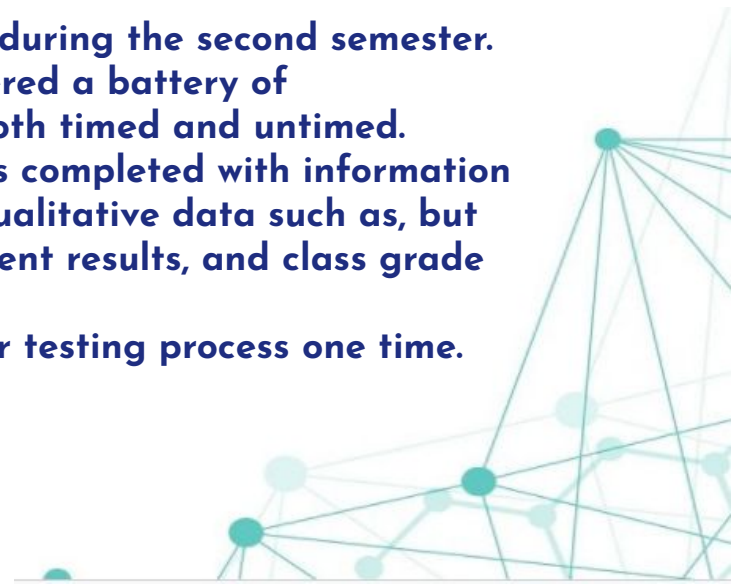
The mission of the Alvin ISD Advanced Academics Program is to support each Gifted and Talented student and Advanced Learner in order to foster the academic and social/emotional needs of these students in the following ways:

- Cultivating relationships
- Strengthening critical thinking skills
- Providing greater depth and complexity
- Differentiating learning experiences to encourage lifelong learning

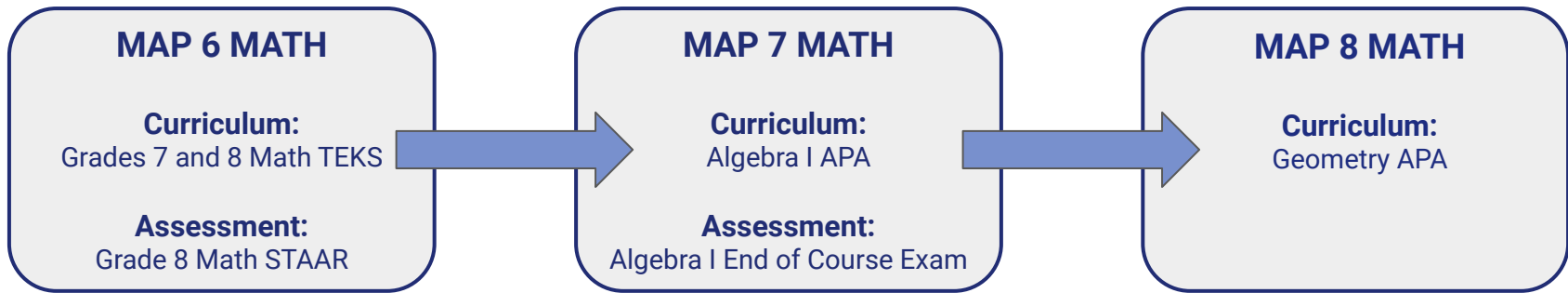


MAGNET ACADEMIC PROGRAM (MAP) OVERVIEW

The AISD Magnet Academic Program (MAP) offers an accelerated (math/science) or integrated (reading/social studies) curriculum meeting the cognitive needs of advanced learners who are placed in the program based on an assessment process.

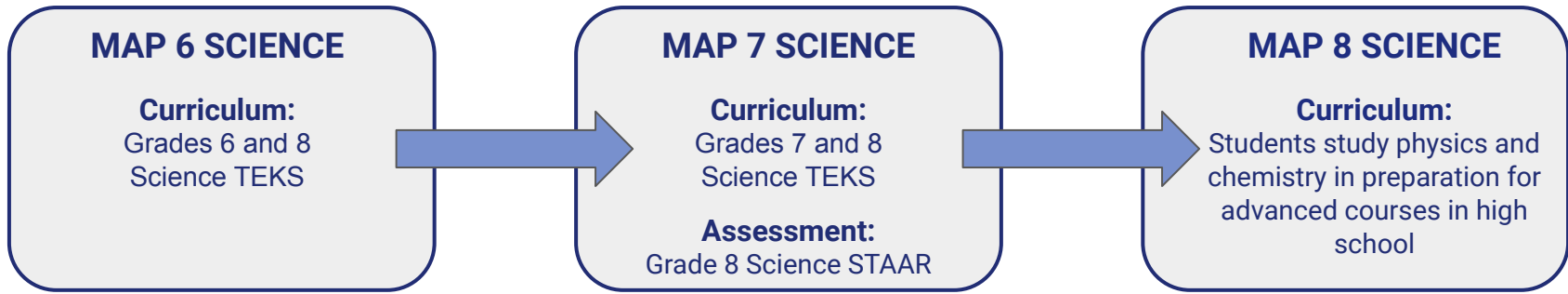
- All fifth grade students in Alvin ISD are screened during the second semester. Students who move on to testing will be administered a battery of mathematics, reading, and writing assessments, both timed and untimed.
 - Qualifying students are placed on a matrix that is completed with information garnered from the assessments as well as other qualitative data such as, but not limited to, STAAR simulations, NWEA assessment results, and class grade averages.
 - Students are only eligible for the screening and/or testing process one time.
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MAGNET ACADEMIC PROGRAM (MAP) MATHEMATICS COURSE PROGRESSION



- Please note that students must qualify to advance to the each math course in the progression by successfully completing each MAP math course in addition to passing the STAAR or EOC for each particular class.
- Students earn high school credit for Algebra 1 APA and Geometry APA.

MAGNET ACADEMIC PROGRAM (MAP) SCIENCE COURSE PROGRESSION



- Please note that students must qualify to advance to the each science course in the progression by successfully completing each MAP Science course in addition to passing the STAAR associated with that class (when applicable.)

MAP MATHEMATICS TESTING PROGRESSION FOR 5TH GRADE ON-LEVEL MATHEMATICS STUDENTS

Screener	<p>Test: NWEA - Measures of Academic Progress Assessment (Mathematics)</p> <p>Date: Testing window of January 11 - 29, 2021</p> <p>Purpose: The NWEA - Measures of Academic Progress Assessment is an opportunity for students to demonstrate evidence of readiness to be successful with above level mathematical skills and knowledge.</p>
Round 1	<p>Test: Norm Referenced Mathematics Assessment</p> <p>Date: Testing window of February 3 - 17, 2021</p> <p>Purpose: The Norm Referenced Mathematics Assessment is an opportunity for students to demonstrate innate mathematics ability related to mathematical reasoning and problem solving skills.</p>
Round 2	<p>Test: Alvin Magnet Mathematics Assessment</p> <p>Date: Testing window of March 1 - 10, 2021</p> <p>Purpose: The Alvin Magnet Mathematics Assessment allows students to demonstrate Algebra readiness.</p>

MAP MATHEMATICS TESTING PROGRESSION FOR 5TH GRADE APA ON-LEVEL MATHEMATICS STUDENTS

Screener	Students enrolled in 5th APA Mathematics are currently participating in above level mathematics coursework and will advance to Round 1. No additional screener needed.
Round 1	Test: Norm Referenced Mathematics Assessment Date: Testing window of February 3 - 17, 2021 Purpose: The Norm Referenced Mathematics Assessment is an opportunity for students to demonstrate innate mathematics ability related to mathematical reasoning and problem solving skills.
Round 2	Test: Alvin Magnet Mathematics Assessment Date: Testing window of March 1 - 10, 2021 Purpose: The Alvin Magnet Mathematics Assessment allows students to demonstrate Algebra readiness.

MAGNET ACADEMIC PROGRAM (MAP) HUMANITIES COURSE PROGRESSION

MAP 6 HUMANITIES

Curriculum:
Grade 6 Reading and
Social Studies -
World Cultures (Integrated)

Assessment:
Grade 6 Reading STAAR

MAP 7 HUMANITIES

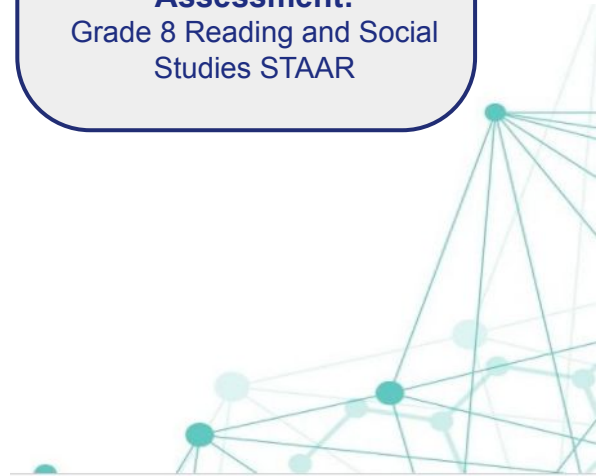
Curriculum:
Grade 7 Reading and
Social Studies -
Texas History (Integrated)

Assessment:
Grade 7 Reading and
Writing STAAR

MAP 8 HUMANITIES

Curriculum:
Grade 8 Reading and
Social Studies -
American History (Integrated)

Assessment:
Grade 8 Reading and Social
Studies STAAR



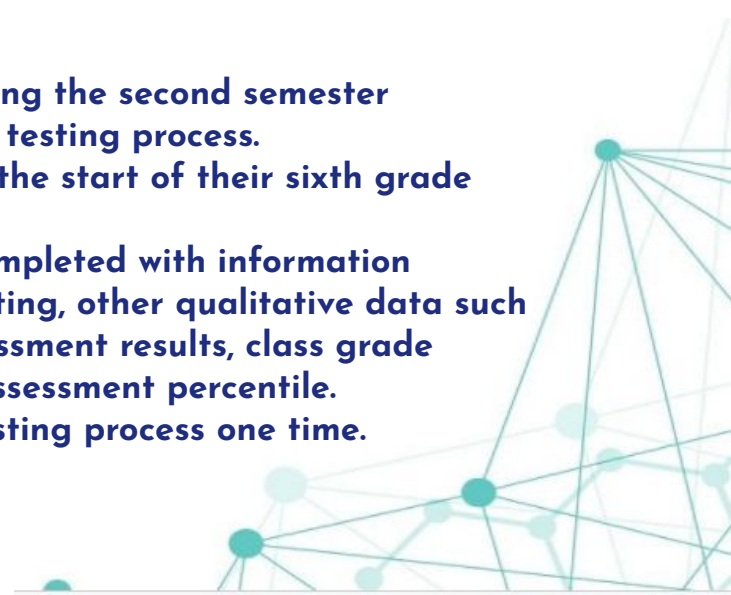
MAP HUMANITIES TESTING PROGRESSION

Screener	<p>Test: NWEA - Measures of Academic Progress Assessment (Reading)</p> <p>Date: Testing window of January 11 - 29, 2021</p> <p>Purpose: The NWEA - Measures of Academic Progress Assessment is an opportunity for students to demonstrate evidence of readiness to be successful with innate reading knowledge and skills.</p>
Placement Assessment	<p>Test: Alvin Humanities Magnet Assessment</p> <p>Date: Testing window February 17 - March 5, 2021</p> <p>Purpose: The Alvin Humanities Magnet Assessment is an opportunity for students to analyze informational text, demonstrate critical thinking, and communicate through evidence based writing.</p>



ALVIN ISD STEM ACADEMY (STEM) OVERVIEW

The STEM Academy program is designed to meet the needs of identified mathematically gifted students. The STEM Academy students must have strong math/science and language arts skills. The program offers acceleration in math and science, as well as integration of computer science concepts. Students focus on problem solving, discovery, creativity, exploratory learning, teamwork, leadership skills, and communication skills. The specialized STEM curriculum provides the depth and complexity needed to meet the cognitive needs of the mathematically gifted student.

- All fifth grade students in Alvin ISD are screened during the second semester through the MAP Math/Science and MAP Humanities testing process.
 - STEM is a three year program that students enter at the start of their sixth grade year.
 - Qualifying students are placed on a matrix that is completed with information collected from the assessments given during MAP testing, other qualitative data such as, but not limited to, STAAR simulations, NWEA assessment results, class grade averages, Abilities test scores and their Intellectual Assessment percentile.
 - Students are only eligible for the screening and/or testing process one time.
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ALVIN ISD STEM ACADEMY PROGRESSION

	Math	Science	Engineering
6th Grade	<ul style="list-style-type: none"> • 7th and 8th grade TEKS • 8th Grade STAAR 	<ul style="list-style-type: none"> • 6th and 8th Grade TEKS 	★ STEM Engineering
7th Grade	<ul style="list-style-type: none"> • APA Algebra 1 (HS Credit) • Algebra 1 EOC 	<ul style="list-style-type: none"> • 7th and 8th grade TEKS • 8th Grade Science STAAR 	★ Coding and Engineering
8th Grade	<ul style="list-style-type: none"> • APA Geometry (HS Credit) • 8th grade STAAR 	<ul style="list-style-type: none"> • APA Physics with Rocketry (HS Credit) 	★ Fundamentals of Computer Science + (HS Credit)

★ Different than MAP progression

✦ AP Principles of Computer Science coursework and curriculum. Students take the correlating AP exam with the opportunity to earn college credit by earning a 3, 4, or 5 on the exam.

STEM ACADEMY TESTING PROGRESSION

All Alvin ISD 5th grade students are screened for STEM through the Magnet Academic Program (MAP) testing process. There is no application needed.

Students who qualify for both **MAP Math/Science** and the **MAP Humanities Program** are placed on the STEM Academy Matrix.

Students whose STEM Matrix score meets or exceeds the placement minimum may need additional Mathematical Abilities and Intellectual Assessment testing. Any of these students who have not previously been identified as GT in Alvin ISD will complete the Alvin ISD GT Assessment and Identification process before final STEM placement is determined.

Students meeting or exceeding the placement requirements on the STEM matrix and will be notified about placement in the program.

JUNIOR HIGH SCHOOL ADVANCED ACADEMICS CONTACTS

Junior High Campus	Junior High Campus Advanced Academic Specialist
Alvin Junior High	Alana Adame (AAdame@AlvinISD.net)
Fairview Junior High	Shannon Hennigan (SHennigan@AlvinISD.net)
Harby Junior High	Dr. Jerry Nelson (JNelson@AlvinISD.net)
Manvel Junior High	Elaine Guikema (EGuikema@AlvinISD.net)
McNair Junior High	Cheryl Harris (CDonato@AlvinISD.net)
Nolan Ryan Junior High	Jessica Smith (JLSmith@AlvinISD.net)
Rodeo Palms Junior High	Sharon Earles (SEarles@AlvinISD.net)
STEM Academy Coordinator	Sammie Gardner (SGardner@AlvinISD.net)

PARENT RESOURCE PAGE

[ALVIN ISD Parent Resources:](#)



[More information on the Texas State Plan for the Education of Gifted and Talented Students:](#)

