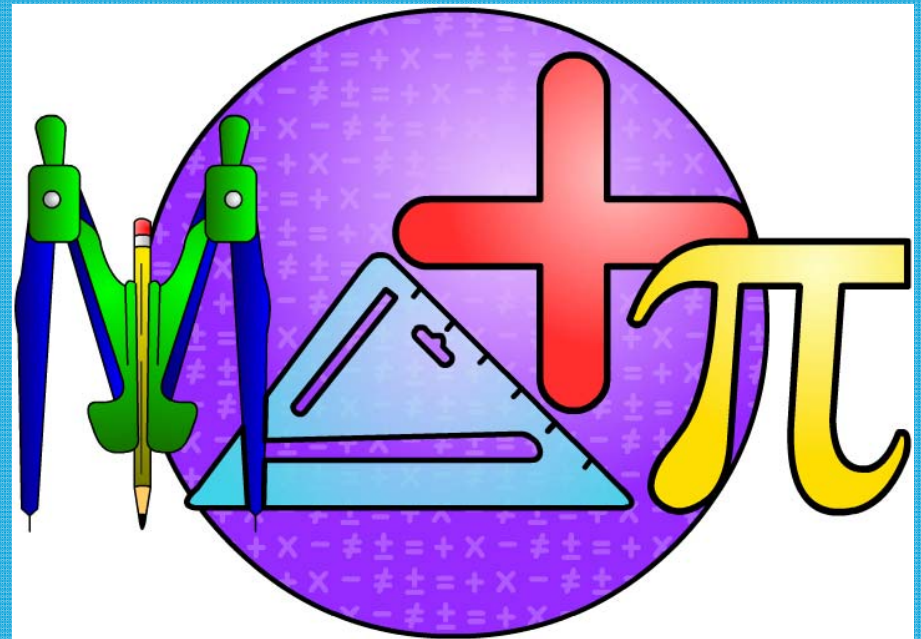


GRADUATION REQUIREMENTS

MATH



4 credits required



REQUIREMENTS

- ❑ Algebra I – 8th or 9th Grade
 - On-level credit regardless of when taken
 - Required for all students
- ❑ Geometry – (*On-level, K, or H*)
- ❑ An additional math course (*see chart on page 3*)
- ❑ +1 additional advanced math course
 - All STEM endorsements - must take Algebra II
 - Algebra II must be taken to earn the *Distinguished Level of Achievement* (*required to be eligible for the top 10% automatic admission to any Texas Public University and to be considered for the Texas Grant*)
 - Computer Science II AP A or Accounting II may count as a math credit





Example #1



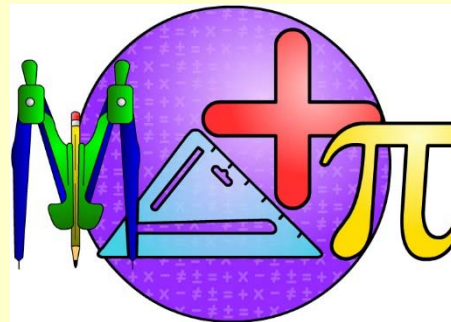
Example #2

	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Example #1	8 th Grade Math	Algebra I (On-level)	Geometry (On-level, K, or H)	Algebraic Reasoning (On-level) \Rightarrow OR MMA (Math Models with Applications) \Rightarrow OR Algebra II (On-level, K, or H) \Rightarrow	Algebra II (On-level, K, or H) or Statistics (On-level) - - - Algebraic Reasoning (On-level) or Algebra II (On-level, K, or H) or Statistics (On-level) - - - Precalculus (On-level, K, or H) or ISM Advanced Algebra (On-level) or ISM College Algebra (K or H) or Statistics AP (or H/AP) or AQR (Advanced Quantitative Reasoning) (K)
Example #2	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)	Precalculus (On-level, K, or H) \Rightarrow OR ISM – College Algebra (K or H) \Rightarrow OR Statistics AP (or H/AP) \Rightarrow OR AQR (K) \Rightarrow	Calculus AB AP (or H/AP) or Calculus BC AP (or H/AP) or Statistics AP (or H/AP) or ISM College Algebra (K or H) or AQR (K) - - - Precalculus (On-level, K, or H) or Statistics AP (or H/AP) or AQR (K) - - - Precalculus (On-level, K, or H) or ISM College Algebra (K or H) or AQR (K) - - - Precalculus (On-level, K, or H) or ISM – College Algebra (K or H) or Statistics AP (or H/AP)



STUDENT TAKING 8TH GRADE MATH THIS YEAR

	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Example #1	8 th Grade Math	Algebra I (On-level)	Geometry (On-level, K, or H)	Algebraic Reasoning \Rightarrow (On-level) <div style="text-align: center;">OR</div> MMA (Math Models with Applications) \Rightarrow <div style="text-align: center;">OR</div> Algebra II \Rightarrow (On-level, K, or H)	Algebra II (On-level, K, or H) <u>or</u> Statistics (On-level) - - - Algebraic Reasoning (On-level) <u>or</u> Algebra II (On-level, K, or H) <u>or</u> Statistics (On-level) - - - Precalculus (On-level, K, or H) <u>or</u> ISM Advanced Algebra (On-level) <u>or</u> ISM College Algebra (K or H) <u>or</u> Statistics AP (or H/AP) <u>or</u> AQR (Advanced Quantitative Reasoning) (K)

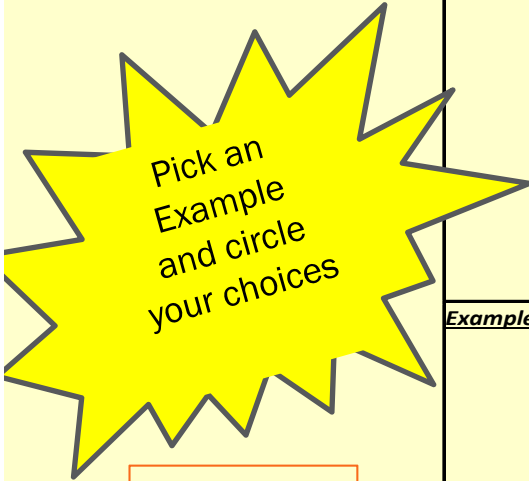


STUDENT TAKING ALGEBRA I THIS YEAR

	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Example #2	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)	Precalculus \longrightarrow (On-level, K, or H)	Calculus AB AP (or H/AP) <u>or</u> Calculus BC AP (or H/AP) <u>or</u> Statistics AP (or H/AP) <u>or</u> ISM College Algebra (K or H) <u>or</u> AQR (K) - - -
				<div style="border: 1px solid black; padding: 2px; display: inline-block;">OR</div>	
				ISM – College Algebra (K or H) \longrightarrow	Precalculus (On-level, K, or H) <u>or</u> Statistics AP (or H/AP) <u>or</u> AQR (K) - - -
				<div style="border: 1px solid black; padding: 2px; display: inline-block;">OR</div>	
				Statistics AP (or H/AP) \longrightarrow	Precalculus (On-level, K, or H) <u>or</u> ISM College Algebra (K or H) <u>or</u> AQR (K) - - -
				<div style="border: 1px solid black; padding: 2px; display: inline-block;">OR</div>	
				AQR (K) \longrightarrow	Precalculus (On-level, K, or H) <u>or</u> ISM – College Algebra (K or H) <u>or</u> Statistics AP (or H/AP)



Example #1



Example #2



	8 th Grade	9 th Grade	10 th Grade	11 th Grade	12 th Grade
Example #1	8 th Grade Math	Algebra I (On-level)	Geometry (On-level, K, or H)	Algebraic Reasoning (On-level) MMA (Math Models with Applications) Algebra II (On-level, K, or H)	Algebra II (On-level, K, or H) Statistics (On-level) Algebraic Reasoning (On-level) Algebra II (On-level, K, or H) Statistics (On-level) Precalculus (On-level, K, or H) ISM Advanced Algebra (On-level) ISM College Algebra (K or H) Statistics AP (or H/AP) AQR (Advanced Quantitative Reasoning) (K)
Example #2	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)	Precalculus (On-level, K, or H) ISM – College Algebra (K or H) Statistics AP (or H/AP) AQR (K)	Calculus AB AP (or H/AP) Calculus BC AP (or H/AP) Statistics AP (or H/AP) ISM College Algebra (K or H) AQR (K) Precalculus (On-level, K, or H) Statistics AP (or H/AP) AQR (K) Precalculus (On-level, K, or H) ISM College Algebra (K or H) AQR (K) Precalculus (On-level, K, or H) ISM – College Algebra (K or H) Statistics AP (or H/AP)



EXAMPLES....

Example 1

Periods	High School Credits Earned in Middle School	9 th Grade	10 th Grade	11 th Grade	12 th Grade
1		English I	English II	English III	English IV
2		Math: Algebra I	Math: Geometry	Math: Algebra II	Math: Advanced Algebra

Example 2

Periods	High School Credits Earned in Middle School	9 th Grade	10 th Grade	11 th Grade	12 th Grade
1		English I K	English II K	English III K	English IV K
2		Math: Algebra I	Math: Geometry	Math: Algebraic Reasoning	Math: Algebra II

Example 3

Periods	High School Credits Earned in Middle School	9 th Grade	10 th Grade	11 th Grade	12 th Grade
1		English I K	English II K	English III AP	English IV AP
2	Algebra I	Math: Geometry K	Math: Algebra II K	Math: Precalculus K	Math: Calculus AB AP

