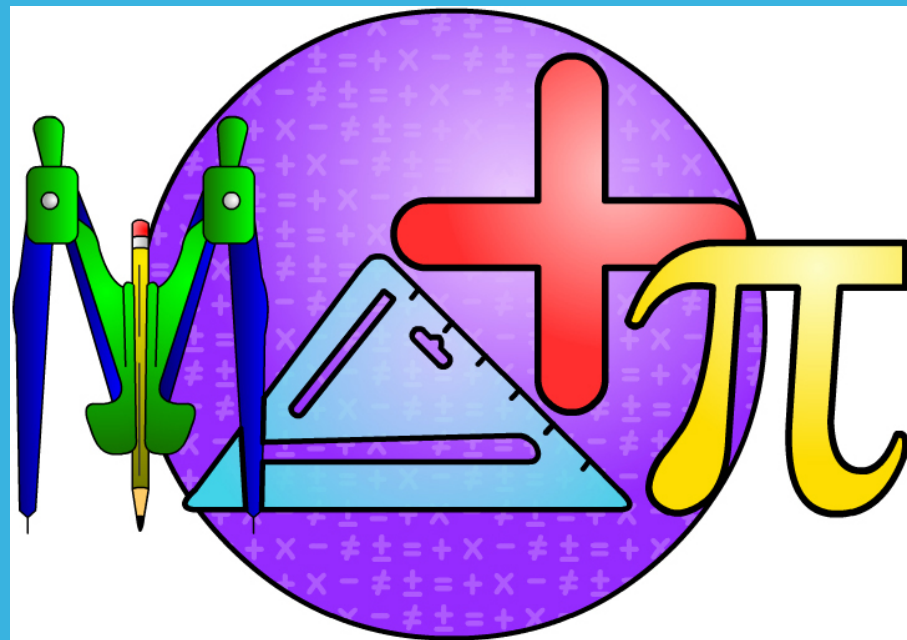


GRADUATION REQUIREMENTS

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*)
 - Accounting II may count as a math credit



| | 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) OR MMA (Math Models with Applications) OR Algebra II (On-level, K, or H) | 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) OR ISM – College Algebra (K or H) OR Statistics AP (or H/AP) OR AQR (K) | 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) |

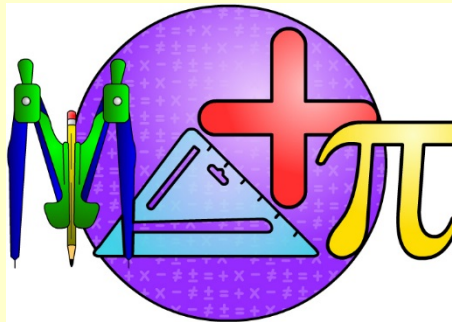
Example #1

Example #2



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 (On-level) \rightleftarrows <div style="text-align: center;">OR</div> MMA (Math Models with Applications) \rightleftarrows <div style="text-align: center;">OR</div> Algebra II (On-level, K, or H) \rightleftarrows | 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) |

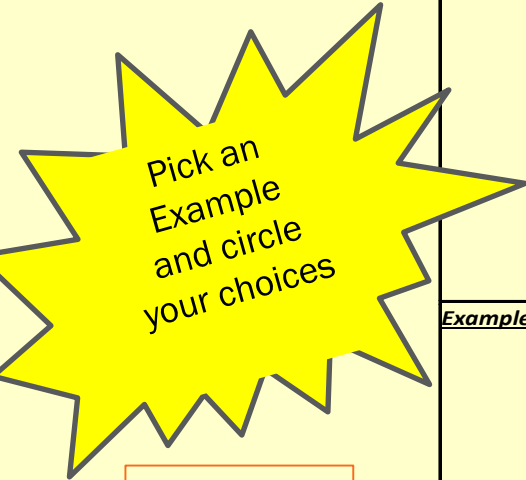


STUDENT TAKING ALGEBRA I THIS YEAR

| | 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) 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) ISM – College Algebra (K or H) Statistics AP (or H/AP) AQR (K) | 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) |



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 |

