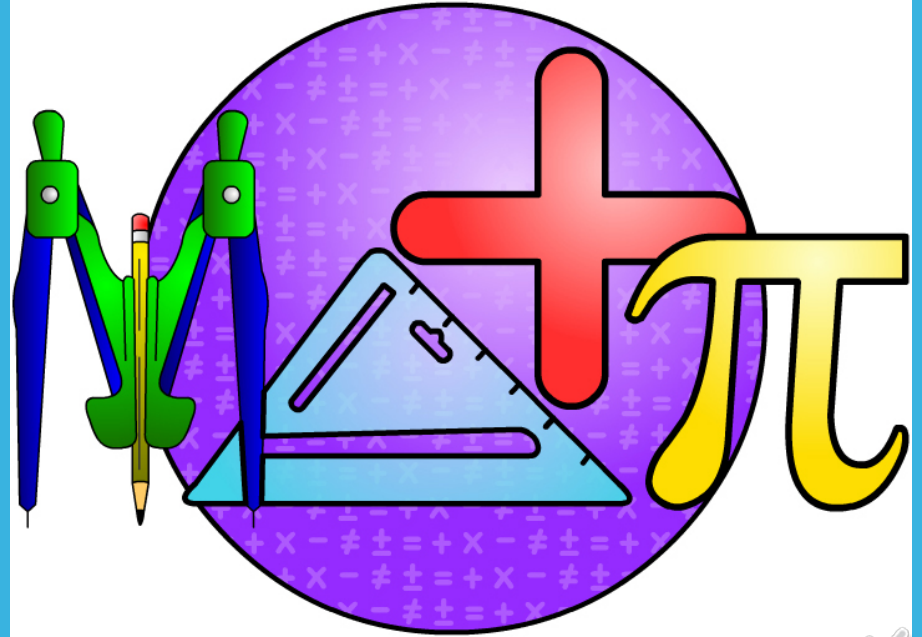


# HIGH SCHOOL 4-YEAR PLAN

SESSION 9 - MATH

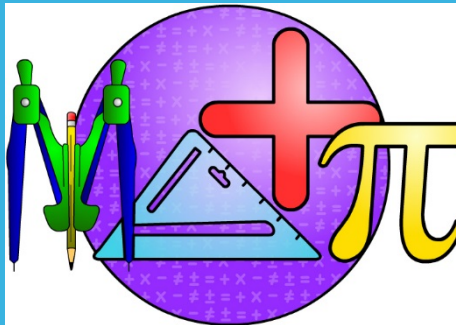




# SELECT MATH COURSES FOR ALL 4 YEARS OF HIGH SCHOOL

Remember – Algebra II must be taken to earn the Distinguished Level of Achievement (DLA)

DLA is required to be eligible for the top 10% automatic admission to any Texas Public University and to be considered for the Texas Grant.



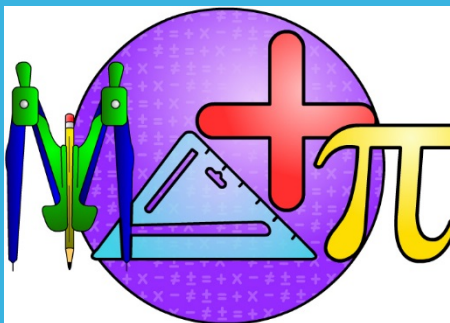


	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>EXAMPLE 1</b> (Average math student)	8 <sup>th</sup> Grade Math	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)  <i>(if A, B, or C yearly average in Geometry)</i>	Advanced Algebra <b>OR</b> ISM – AQR (K) <b>OR</b> Precalculus (On-level, K, H, or DC) <b>OR</b> ISM – College Algebra (K, H, or DC) <b>OR</b> Statistics or AP Statistics
<b>EXAMPLE 2</b> (Student who struggles in math)	8 <sup>th</sup> Grade Math	Algebra I	Geometry (on-level)	Algebraic Reasoning <b>OR</b>  Math Models <i>(if D yearly average in Geometry)</i> <b>OR</b> Statistics (on-level)	Algebra II (on-level)  Statistics (on-level) <b>or</b> Algebra II (on-level)  Algebraic Reasoning <b>or</b> Algebra II (on-level)
<b>EXAMPLE 3</b> (Advanced math student)	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)	Precalculus (On-level, K, H, or DC) <b>OR</b> ISM – College Algebra (K, H, or DC) <b>OR</b> AP Statistics	AP Calculus AB or BC <b>or</b> AP Statistics  Precalculus (On-level, K, H, or DC) <b>or</b> AP Statistics  Precalculus (On-level, K, H, or DC) <b>or</b> ISM – College Algebra (K,H, or DC)  Precalculus (On-level, K, H, or DC) <b>or</b> ISM – College Algebra (K,H, or DC) <b>or</b> AP Statistics



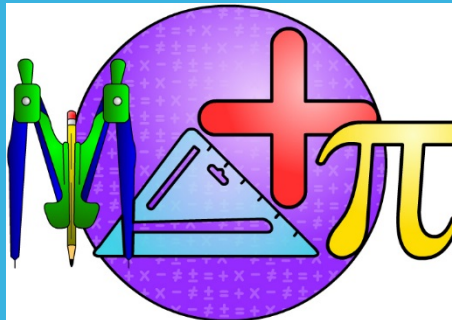
# AVERAGE MATH STUDENT TAKING 8<sup>TH</sup> GRADE MATH THIS YEAR

	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>EXAMPLE</b>  <b>1</b>  (Average math student)	8 <sup>th</sup> Grade Math	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)  <i>(if A, B, or C yearly average in Geometry)</i>	Advanced Algebra <b>OR</b> ISM – AQR (K) <b>OR</b> Precalculus (On-level, K, H, or DC) <b>OR</b> ISM – College Algebra (K, H, or DC) <b>OR</b> Statistics or AP Statistics (or H/AP)



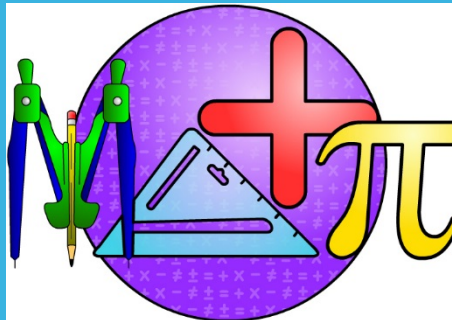
# STUDENT TAKING 8<sup>TH</sup> GRADE MATH THIS YEAR WHO MAY **STRUGGLE** WITH MATH

<p><b>EXAMPLE</b></p> <p><b>2</b></p> <p>(Student who struggles in math)</p>	<p>8<sup>th</sup> Grade Math</p>	<p>Algebra I</p>	<p>Geometry (on-level)</p>	<p>Algebraic Reasoning</p> <p><b>OR</b></p> <p>Math Models <i>(if D yearly average in Geometry)</i></p> <p><b>OR</b></p> <p>Statistics (on-level)</p>	<p>Algebra II (on-level)</p> <p>Statistics (on-level) <b>or</b> Algebra II (on-level)</p> <p>Algebraic Reasoning <b>or</b> Algebra II (on-level)</p>
--	----------------------------------	------------------	--------------------------------	---	--



# STRONG MATH STUDENT CURRENTLY ENROLLED IN ALGEBRA I

	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>EXAMPLE 3</b>	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)	Precalculus (On-level, K or H) <b>OR</b> ISM – College Algebra (K or H)  <b>OR</b> Statistics (on-level or AP)  <b>OR</b> ISM – AQR (K)	AP Calculus AB or BC <b>or</b> AP Statistics  Precalculus (On-level, K or H) <b>or</b> AP Statistics  Precalculus (On-level, K, or H) <b>or</b> ISM – College Algebra (K or H)  Precalculus (On-level, K or H) <b>or</b> ISM – College Algebra (K or H) <b>or</b> AP Statistics



Pick an Example and circle your choices

	8 <sup>th</sup> Grade	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>EXAMPLE 1</b> (Average math student)	8 <sup>th</sup> Grade Math	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)  (if A, B, or C yearly average in Geometry)	Advanced Algebra <b>OR</b> ISM – AQR (K) <b>OR</b> Precalculus (On-level, K, H, or DC) <b>OR</b> ISM – College Algebra (K, H, or DC) <b>OR</b> AP Statistics
<b>EXAMPLE 2</b> (Student who struggles in math)	8 <sup>th</sup> Grade Math	Algebra I	Geometry (on-level)	Algebraic Reasoning <b>OR</b> Math Models (if D yearly average in Geometry) <b>OR</b> Statistics (on-level)	Algebra II (on-level) <b>OR</b> Statistics (on-level) <b>or</b> Algebra II (on-level) <b>OR</b> Algebraic Reasoning <u>or</u> Algebra II (on-level)
<b>EXAMPLE 3</b> (Advanced math student)	Algebra I	Geometry (On-level, K, or H)	Algebra II (On-level, K, or H)	Precalculus (On-level, K, H, or DC) <b>OR</b> ISM – College Algebra (K, H, or DC) <b>OR</b> AP Statistics <b>OR</b> ISM – AQR (K)	AP Calculus AB <u>or</u> BC <u>or</u> AP Statistics <b>OR</b> Precalculus (On-level, K, H, or DC) <b>or</b> AP Statistics <b>OR</b> Precalculus (On-level, K, H, or DC) <b>or</b> ISM – College Algebra (K,H, or DC) <b>OR</b> Precalculus (On-level, K, H, or DC) <b>or</b> ISM – College Algebra (K,H, or DC) <b>or</b> AP Statistics



# EXAMPLES....

## Example – Public Services, Option 1 – Education & Training

Periods	High School Credits Earned in Middle School	9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
1		English I	English II	English III	English IV
2		Math: Algebra I	Math: Geometry	Math: Algebra II	Math: College Algebra K

## Example – Multidisciplinary Studies, Option 1 – Four by Four (4 X 4)

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

## Example – STEM, Option 2 – Engineering

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

