



**Mater Lakes Academy Middle/High School**

**“Home of the Bears”**

**Academic Progression Chart**



## Suggested Course Sequence for English Courses

**\*Teacher recommendation is required for AP courses\***

<u>Subject</u>	<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>	<u>Prerequisites</u>
<b>English</b>	English 1: C's or below —>  English 1 Honors : A's, B's and C's —>	English 2: C's or below —>  English 2 Honors : A's, B's and C's —>   English 2 Honors: A's, B's:  —>	English 3: C's or below —>  English 3 Honors: A's, B's and C's —>  English 3 Honors: A's, B's: -->  Can take: AP English Language —>	English 4: C's or below  English 4 Honors: A's, B's and C's Honors: A's, B's:  Can take: AP English Literature	<b>AP English Language:</b> Honors English with a min grade of a "B"  <b>AP English Literature:</b> AP Language   <b>FSA: Level 4 or higher</b>  <b>Writing: 7 or higher</b>
<b>Social Studies</b>	World History: C's or below —>  World History Honors: A's, B's and C's —>  AP/Honors: A's, B's:  AP Human Geography>	Any Social Science Elective: C's or below   AP/Honors: A's, B's: Can take: —> AP Psychology AP Human Geography AP European History AP Comparative Govt. AP World History	US History: C's or below —>  US History Honors: A's, B's and C's —>  AP/Honors: A's, B's: Can take: —> AP Psychology AP Human Geography AP European History AP US History AP Comparative Government AP Macroeconomics	Economics & American Government : C's or below  Economics & American Government Honors: A's, B's and C's  AP/Honors: A's, B's: Can take: AP Psychology AP Human Geography AP European History AP US History AP Comparative Government AP Government AP Macroeconomics	<b>AP Psychology:</b> Previous Honors Social Studies minimum grade of a B, or Reg. History or English min. grade of a B.  <b>AP European History:</b> Previous Honors Social Studies minimum grade of a B, or Reg. History or English min. grade of a B.  <b>AP Comparative Government:</b> Previous Honors Social Studies minimum grade of a B, or Reg. History or English min. grade of a B  <b>AP Human Geography:</b> Previous Social Studies minimum grade of a B, or Reg. History or English min. grade of a B.  <b>AP US History:</b> Previous Honors Social Studies minimum grade of a B, or Reg. History or English min. grade of a B.  <b>AP American Government/ Macroeco- nomics:</b> Previous Honors or AP Social Studies and Language Arts course with a minimum grade of a B. AP English is recommended. Taken Alg. 2 for Macroeco- nomics.  <b>FSA: Level 4 or higher</b>  <b>Writing: 7 or higher</b>



### Suggested Course Sequence for MS Science Courses

**\*Teacher recommendation is required for Pre-AP courses\***

<u>6th Grade</u>		<u>7th Grade</u>		<u>8th Grade</u>
Comprehensive Science 1	B's or Lower	Comprehensive Science 2	B's or Lower	Comprehensive Science 3
			A's	Physical Science (Pre-Requisite: Pre Algebra)
	A's	Comprehensive Science 2 Advanced	C's, D's, F's	Comprehensive Science 3
			A's, B's	Physical Science (Pre-Requisite: Pre Algebra)
Comprehensive Science 1 Advanced	C's or Lower	Comprehensive Science 2	C's, D's, F's	Comprehensive Science 3
			A's, B's	Physical Science (Pre-Requisite: Pre Algebra)
	A's, B's	Comp Science 2 Advanced	A's, B's	Biology Honors
	A's, B's	Physical Science Honors (Pre-Requisite: Pre Algebra)	C's or Lower	Comprehensive Science 3 Advanced
			A's, B's	Biology Honors
Pre AP Science				Pre AP Biology

\*Students must have the concurrent math course.\*





**Suggested Course Sequence for Science Courses**

**\*Teacher recommendation is required for AP courses\***

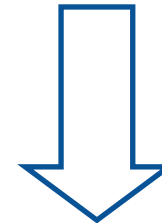
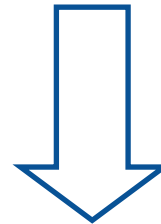
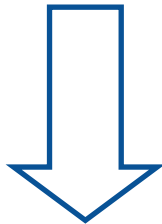
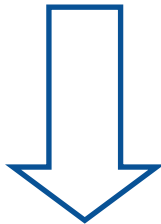
**Science Concurrent Minimum Chart**

Physical Science

Biology

Chemistry

Higher Science



Algebra I

Geometry

Algebra II

Algebra II



## Suggested Course Sequence for HS Science Courses

**\*Teacher recommendation is required for AP courses\***

<u>Subject</u>	<u>9th Grade</u>	<u>10th Grade</u>	<u>11th Grade</u>	<u>12th Grade</u>	<u>Prerequisites</u>
<b>Science</b>	Physical Science: → Biology: → Chemistry: → Biology Honors: A's, B's Passed Honors Alg. 1 with B or better → Chemistry Honors: A's, B's Passed Alg. 1 EOC and passed Physical Science with an A or B. →	Biology: → Chemistry: → Physics → Science Elective: → Can take: → Physics Honors Must have Honors Alg. 2 taken and Chemistry with an A or B or Anatomy and Physiology Honors or Environmental Science Honors or AP Courses: *Must have Honors Alg. 2 taken and Chemistry AP Biology AP Environment Science AP Computer Science	Chemistry: → Physics: → Science Elective: → Marine Science Environmental Forensics Botany Anatomy & Physiology Can take: → AP Courses: AP Biology AP Environment Science AP Chemistry AP Physics1 AP Physics C: Mechanics	Science Elective Science Elective Any Science Honors Elective: Can take: → AP Courses: AP Biology AP Environment Science AP Chemistry AP Physics1 AP Physics C: Mechanics	<b>AP Biology:</b> Biology Honors Passing Score of a 4or 5 on EOC Concurrent course: Chemistry Honors with a minimum grade of a B. Must have completed Alg. 2. Concurrent course: Statistics. <b>AP Environmental Science:</b> Taken Biology Honors & Algebra I Honors Concurrent course: Chemistry Honors and Algebra II honors <b>AP Chemistry:</b> Chemistry Honors with a minimum grade of a B. Algebra II honors with a minimum grade of a B. Concurrent course: Physics Honors <b>AP Physics 1:</b> have already taken prior Physics Honors and Alg. II with a passed minimum grade of a B. <b>AP Physics C: Mechanics:</b> Physics Honors and calculus with a minimum grade of a B.

\*Science Electives for Regular Track: Marine Science, Care and Prevention, (NOTE: Zoology and Forensic Science do not meet the science lab requirement.)

\*\*Besides meeting the course prerequisites noted above, students should be aware that these are college level courses and should consult with their teachers and counselors when making the decision to take an AP course.

\*\*\*Beginning of 2017-2108 All students must take Physical Science by 11th grade.



**Suggested Course Sequence for MS Mathematics Courses**

**\*Teacher recommendation is required for Pre-AP courses\***

<u>6th Grade</u>		<u>7th Grade</u>		<u>8th Grade</u>
Math I	B's or Lower	Math II Regular	All Students	Math III Regular
	A's	Pre Algebra	C's, D's, F's	Math II Regular
			A's, B's	Algebra I Honors
Math I Advanced	C's, D's, F's	Math II Regular	All Students	Math III Regular
	A's, B's	Pre Algebra	C's, D's, F's	Math II Regular
A's, B's			Algebra I Honors	
Pre-Algebra (Placement Test Required_	A's, B's	Algebra I Honors	C's, D's, F's	Math III Regular
			A's, B's	Geometry Honors Algebra II Honors (concurrently & elective)

If in 8th Grade taking Geometry and Algebra II Concurrently, then follow this track:

9th: Pre Calculus    10th: AP Calculus AB

11th Grade: AP Calculus BC    12th Grade: Choices are Calc III/Linear Algebra, Math for College Readiness, Financial Algebra, or AP Statistics





Suggested Course Sequence for HS Mathematics *Teacher recommendation is required for AP courses*						
<u>9th</u>		<u>10th</u>		<u>11th</u>		<u>12<sup>th</sup></u>
<b>Algebra 1</b>	All	Geometry	All	(all students) Algebra 2	A's, B's	Pre Calculus
					ALL	Financial Literacy
					ALL	Math for College Algebra
<b>Algebra 1 Honors</b>	C's and below	Geometry (look at Alg 1 Grades and EOC also)	C's and below	Algebra 2	C's or lower	Math for College Algebra
					B's, C's	Financial Literacy
					A's	Pre-Calculus
			A's and B's (look at Alg I grades)	Honors Algebra 2	D's, F's	Math for College Algebra
					B's, C's	Financial Literacy
					A's, B's	Pre-Calculus
	A's and B's	Honors Geometry (passed EOC)	C's and below	Algebra 2	C's or lower	Math for College Algebra
					B's, C's	Financial Literacy
					A's	Pre-Calculus
			A's and B's	Honors Algebra 2	D's, F's	Math for College Algebra
					B's, C's	Financial Literacy
					A's, B's	Pre-Calculus

**If a student doesn't pass the ALG 1 EOC, then an Intensive Math Class will be added and taken concurrently with Geometry for the whole year.**



## Suggested Course Sequence for HS Mathematics

\*Teacher recommendation is required for AP courses\*

9TH GRADE		10TH GRADE		11TH GRADE		12TH GRADE		
Geometry (look at their Alg 1 Grades)	C's and Below	Algebra 2	A's and Below	Financial Literacy	all	Math for College Algebra		
	A's, B's	Algebra 2 Honors	A's, B's		A's, B's	Pre Calculus		
				Pre Calculus	C's and Below	Math for College Algebra		
					all	Financial Literacy		
						A's, B's	AP Calculus or AP Statistics	

9TH GRADE		10TH GRADE		11TH GRADE		12TH GRADE		
Geometry Honors	C's and Below	Algebra 2	ALL	Financial Literacy	A's, B's	Pre Calculus		
	A's, B's (look at Alg 1 grades and EOC)	A's, B's	A's, B's		ALL	Math for College Algebra		
				Pre Calculus	ALL	Financial Literacy		
					ALL	Math for College Algebra		
		Algebra 2 Honors	ALL	Financial Literacy			Math for College Algebra	
					A's, B's	A's, B's	Pre Calculus or AP Calculus or AP Statistics	
				Pre Calculus			Math for College Algebra or Financial Literacy	
					ALL			
						A's, B's	AP Calculus or AP Statistics	

8TH GRADE		9TH GRADE		10TH GRADE		11/12TH GRADE	
Algebra II Honors	A's, B's	Pre Calculus	A's, B's, C's	AP Statistics	A's, B's	AP Calculus	
	C's and Below		Retake Algebra II	A's, B's	AP Calculus	A's, B's	AP Calculus BC or AP Statistics





**Middle School Pre-AP Program Track**

<u>6<sup>th</sup> Grade</u>	<u>7<sup>th</sup> Grade</u>	<u>8<sup>th</sup> Grade</u>
M/J Language Arts 1 Honors	M/J Language Arts 2 Honors	M/J Language Arts 3 Honors
Adv. M/J Mathematics I (Pre-Algebra) or Algebra I Honors *(High School Credit)	Adv. M/J Mathematics II (Pre-Algebra) or Algebra I Honors * or Geometry Honors* *(High School Credit)	Algebra I Honors* or Geometry Honors* or Algebra II Honors* *(High School Credit)
Pre-AP M/J Comprehensive Science I	Physical Science Honors *(High School Credit)	Biology Honors *(High School Credit)
M/J US History Gifted	M/J Civics Gifted	M/J World History Gifted or United States History Honors *(High School Credit)
M/J Advanced Reading I	M/J Advanced Reading II	M/J Critical Thinking and SLS Doral College Course
M/J Fitness 6 <sup>th</sup> Grade (.5 credit) M/J Introduction to technology (.5 credit)	M/J Fitness 7 <sup>th</sup> Grade (.5 credit) M/J Computer Applications (.5 credit)	Elective
Elective	Elective	Elective

