

## Math Classes Offered at Pyramid Academy for Gifted Youth

Course Code	Course Name	Prerequisite	Grade Level	Text Book	Text Book URL
MS-M101	Introduction to Algebra	Pre Algebra	5+	AOPS Introduction to Algebra	<a href="https://www.artofproblemsolving.com/store/item/intro-algebra">https://www.artofproblemsolving.com/store/item/intro-algebra</a>
MS-M102	Introduction to Number Theory	JM-101	5-8	AOPS Number Theory	<a href="https://www.artofproblemsolving.com/store/item/intro-number-theory">https://www.artofproblemsolving.com/store/item/intro-number-theory</a>
MS-M103	Introduction to Probability	JM-101	5-8	AOPS Counting and Probability	<a href="https://www.artofproblemsolving.com/store/item/intro-counting">https://www.artofproblemsolving.com/store/item/intro-counting</a>
MS-M104	Introduction to Geometry	JM-101	7-9	AOPS Geometry	<a href="https://www.artofproblemsolving.com/store/item/intro-geometry">https://www.artofproblemsolving.com/store/item/intro-geometry</a>
MS-M201	MS Math Competition I (MathCount Beginner)	MS-M101	5-8	Math Olympiad Contest Problems for Elementary and Middle Schools	<a href="http://www.amazon.com/Olympiad-Contest-Problems-Elementary-Schools/dp/0962666211/ref=sr_1_1?ie=UTF8&amp;qid=1407881076&amp;sr=8-1&amp;keywords=math+olympiad+contest+problems+for+elementary+and+middle+schools">http://www.amazon.com/Olympiad-Contest-Problems-Elementary-Schools/dp/0962666211/ref=sr_1_1?ie=UTF8&amp;qid=1407881076&amp;sr=8-1&amp;keywords=math+olympiad+contest+problems+for+elementary+and+middle+schools</a>
MS-M202	MS Math Competition II (MathCount Intermediate)	MS-M201 + MS-M102	6-8	AOPS Competition Math for Middle School	<a href="https://www.artofproblemsolving.com/store/item/competition-math">https://www.artofproblemsolving.com/store/item/competition-math</a>
MS-M203	MS Math Competition III (MC/AMC8)	MS-M202 + MS-M104	6-8	AOPS Competition Math for Middle School	<a href="https://www.artofproblemsolving.com/store/item/competition-math">https://www.artofproblemsolving.com/store/item/competition-math</a>
HS-M401	Intermediate Algebra	MS-M104	7-11	AOPS Intermediate Algebra	<a href="https://www.artofproblemsolving.com/store/item/intermediate-algebra">https://www.artofproblemsolving.com/store/item/intermediate-algebra</a>

HS-M402	Intermediate Probability	HS-M401	8-10	AOPS Intermedidate Probability	<a href="https://www.artofproblemsolving.com/store/item/intermediate-counting">https://www.artofproblemsolving.com/store/item/intermediate-counting</a>
HS-M403	Pre Calculus	HS-M401	8-11	AOPS Pre Calculus	<a href="https://www.artofproblemsolving.com/store/item/precalculus">https://www.artofproblemsolving.com/store/item/precalculus</a>
HS-M404	Calculus	HS-M403	8-11	APOS Calculus	<a href="https://www.artofproblemsolving.com/store/item/calculus">https://www.artofproblemsolving.com/store/item/calculus</a>
HS-M501	HS Math Competition I (AMC10/12)	HS-M401	9-12	AOPS Volumn 1	<a href="https://www.artofproblemsolving.com/store/item/aops-vol1">https://www.artofproblemsolving.com/store/item/aops-vol1</a>
HS-M502	HS Math Competition II (AMC12/AIME/USAMO)	HS-M501 or with AMC12 score	9-12	AOPS Volumn 2	<a href="https://www.artofproblemsolving.com/store/item/aops-vol2">https://www.artofproblemsolving.com/store/item/aops-vol2</a>
HS-M503	HS Math Competition III (AIME/USAMO)	HS-M502 or with AIME Score	9-12	Selected Lectures	