ALGEBRA 2

What will we teach your child?

Arenas, Sprints, and Belts

Arena 1		Arena 2	
White Belt 1	White Belt 2	Yellow Belt 1	Yellow Belt 2
6 Weeks	6 Weeks	6 Weeks	6 Weeks
3 Months		3 Months	
Program Completion Time: 12 Months			
Arena 3		Arena 4	
Green Belt 1	Green Belt 2	Blue Belt 1	Blue Belt 2
6 Weeks	6 Weeks	6 Weeks	6 Weeks
3 Months		3 M	onths

ALGEBRA 2

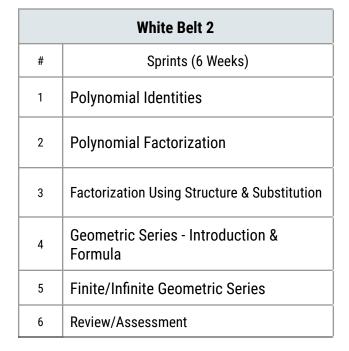
What will we teach your child?

White Belt 1		
#	Sprints (6 Weeks)	
1	Rational Numbers and Operations	
2	Rational Exponents	
3	Radicals - Properties & Evaluating	
4	Polynomials- Introduction & Operations	
5	Monomials & Binomials	
6	Review/Assessment	

	Yellow Belt 1
#	Sprints (6 Weeks)
1	Polynomial Division - By x, linear factors & expressions
2	Polynomial Remainder Theorem
3	Polynomial Graphs
4	The Binomial Theorem
5	Exponential Model & Rate of change
6	Review/Assessment



White Belt 1





Yellow Belt 1

Yellow Belt 2		
#	Sprints (6 Weeks)	
1	Logarithms - Introduction & Properties	
2	Relationship Between Logarithm & Exponents	
3	Change Of Base Formula & Equations With Logarithms	
4	Inverse Functions and Logarithms	
5	Shifting & Reflecting Functions	
6	Review/Assessment	

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White Belt 2



Yellow Belt 2

Green Belt 1		
#	Sprints (6 Weeks)	
1	Symmetry Of Functions	
2	Rational & Square-root Equations	
3	Extraneous Solutions & Cube-root Equations	
4	Factoring a Sum/Difference of Cubes	
5	Quadratic Systems	
6	Review/Assessment	

Blue Belt 2		
#	Sprints (6 Weeks)	
1	Sinusoidal Models	
2	Transforming & Graphing Sinusoidal functions	
3	Modeling With Functions & Two/Multiple Variables	
4	Interpreting Features Of Functions	
5	Graphing general rational functions	
6	Review/Assessment	



Green Belt 1



Blue Belt 1

	Green Belt 2
#	Sprints (6 Weeks)
1	Solving Equations With Graphing
2	Trigonometry - Introduction & Radians
3	Trigonometric Identities & Values
4	The Law of Sines and Cosines
5	Graphs Of sin(x),cos(x), & tan(x)

Blue Belt 2	
#	Sprints (6 Weeks)
1	Manipulating Functions
2	Imaginary Numbers & Their Power
3	Complex Numbers - Introduction & Classification
4	Rationalizing imaginary denominators
5	Complex Plane & Complex Number Operations

ALGEBRA 2

What will we teach your child?

6 Review/Assessment

6 Review/Assessment



Green Belt 2



Blue Belt 2