

Algebraic Reasoning Year-At-A-Glance

Unit Title	Student Expectations	Suggested Instructional Days
1st Nine Weeks: August 22 – October 13		
1 Arithmetic Sequence and Linear Functions	AR.2A, AR.2B, AR.2C, AR.7D, AR.7E, AR.7A, AR.3A,	13
2 Quadratic functions	AR.2A, AR.2B, AR.2C, AR.2D, AR.7B, AR.7D, AR.3A	10
3 Geometric functions and Exponential functions	AR.2A, AR.2B, AR.7C, AR.7D, AR.7B, AR.7A, AR.3A	13
2nd Nine Weeks: October 16 – December 15		
4 Cubic and absolute value functions	AR.2A, AR.2B, AR.2C, AR.2D, AR.3A, AR.7A, AR.7B	12
5 Find and verify Inverses and solve linear equation and inequalities	AR.3C, AR.3B	10
6 Comparing Functions including their inverses	AR.2A, AR.2B, AR.2C, AR.3A, AR.3B, AR.7A,	17
3rd Nine Weeks: January 8 – March 8		
7 Solutions and functions	AR.6A, AR.6B, AR.6C	13
8 Adding and Subtraction function	AR.3D, AR.4A	9
9 Multiplying functions	AR.3F, AR.4A, AR.4B, AR.3E	11
10 Factoring functions	AR.4D	10
4th Nine Weeks: March 18 – May 30		
11 Factoring functions	AR.4D	13
12 Dividing functions	AR.4C	12
13 Matrices	AR.5A, AR.5B, AR.5C, AR.5D, AR.5E	20

Process standards should be embedded into instruction daily (A.1A, A.1B, A.1C, A.1D, A.1E, A.1F, and A.1G)

[Click here to access state standards for Geometry](#)