

### 2022-2023 Algebraic Reasoning Year-At-A-Glance

Unit Title	Student Expectations	Suggested Instructional Days
<b>1<sup>st</sup> Nine Weeks:</b> August 18 – October 14		
<b>1</b> Arithmetic Sequence and Linear Functions	AR.2A, AR.2B, AR.2C, AR.7D, AR.7E, AR.7A, AR.3A,	15
<b>2</b> Quadratic functions	AR.2A, AR.2B, AR.2C, AR.2D, AR.7B, AR.7D, AR.3A	10
<b>3</b> Geometric functions and Exponential functions	AR.2A, AR.2B, AR.7C, AR.7D, AR.7B, AR.7A, AR.3A	14
<b>2<sup>nd</sup> Nine Weeks:</b> October 17 – December 16		
<b>4</b> Cubic and absolute value functions	AR.2A, AR.2B, AR.2C, AR.2D, AR.3A, AR.7A, AR.7A	12
<b>5</b> Find and verify Inverses and solve linear equation and inequalities	AR.3C, AR.3B	10
<b>6</b> Comparing Functions including their inverses	AR.2A, AR.2B, AR.2C, AR.3A, AR.7A,	18
<b>3<sup>rd</sup> Nine Weeks:</b> January 4 – March 10		
<b>7</b> Solutions and functions	AR.6A, AR.6B, AR.6C	15
<b>8</b> Adding and Subtraction function	AR.3D, AR.4A	9
<b>9</b> Multiplying functions	AR.3F, AR.4A, AR.4B, AR.3E	12
<b>10</b> Factoring functions	AR.4D	10
<b>4<sup>th</sup> Nine Weeks:</b> March 20 – May 25		
<b>10</b> Factoring functions	AR.4D	13
<b>11</b> Dividing functions	AR.4C	12
<b>12</b> 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](#)