

## 2018 - 19 Curriculum Map: Algebra A/B

Unit(s)	Standards	Time Frame*	Assessments	Unit Objectives/Big Ideas
Functions Representations	AR.MATH.CONTENT.HSN.Q.A.1 AR.MATH.CONTENT.HSN.Q.A.2 AR.MATH.CONTENT.HSN.Q.A.3 AR.MATH.CONTENT.HSF.IF.A.1 AR.MATH.CONTENT.HSF.IF.A.2 AR.MATH.CONTENT.HSF.IF.B.4 AR.MATH.CONTENT.HSF.IF.A.5 AR.MATH.CONTENT.HSF.IF.B.6 AR.MATH.CONTENT.HSF.IF.C.7 AR.MATH.CONTENT.HSF.IF.C.7.A AR.MATH.CONTENT.HSF.IF.C.7.B	30 DAYS	Daily Assignments Verbal Feedback Activities Class Discussions Bellringers STAR Testng Tests	<ul style="list-style-type: none"> <li>Reason quantitatively and use units to solve problems.</li> <li>Understand the concept of a function and use function notation.</li> <li>Interpret functions that arise in applications in terms of the context.</li> <li>Analyze functions using different representations.</li> </ul>
Linear Functions	AR.MATH.CONTENT.HSN.Q.A.1 AR.MATH.CONTENT.HSN.Q.A.2 AR.MATH.CONTENT.HSN.Q.A.3 AR.MATH.CONTENT.HSA.CED.A.1 AR.MATH.CONTENT.HSA.CED.A.2 AR.MATH.CONTENT.HSA.CED.A.4 AR.MATH.CONTENT.HSA.REI.A.1 AR.MATH.CONTENT.HSA.REI.C.6 AR.MATH.CONTENT.HSA.REI.D.10 AR.MATH.CONTENT.HSA.REI.D.11 AR.MATH.CONTENT.HSF.BF.A.1 AR.MATH.CONTENT.HSF.BF.A.1.A AR.MATH.CONTENT.HSF.BF.A.1.B AR.MATH.CONTENT.HSF.IF.A.3 AR.MATH.CONTENT.HSF.IF.B.4 AR.MATH.CONTENT.HSF.IF.B.5 AR.MATH.CONTENT.HSF.IF.C.7 AR.MATH.CONTENT.HSF.IF.C.7.A AR.MATH.CONTENT.HSF.IF.C.7.B AR.MATH.CONTENT.HSF.LE.A.2 AR.MATH.CONTENT.HSF.LE.B.5	60 DAYS	Daily Assignments Verbal Feedback Activities Class Discussions Bellringers STAR Testing Tests	<ul style="list-style-type: none"> <li>Reason quantitatively and use units to solve problems.</li> <li>Create equations that describe numbers or relationships</li> <li>Understand solving equations as a process of reasoning and explain the reasoning.</li> <li>Solve system of equations</li> <li>Represent and solve equations and inequalities graphically</li> <li>Build a function that models a relationship between two quantities.</li> <li>Understand the concept of a function and use function notation.</li> <li>Interpret functions that arise in applications in terms of the context.</li> <li>Analyze functions using different representations.</li> <li>Construct and compare linear, quadratic, and exponential models and solve problems.</li> <li>Interpret expressions for functions in terms of the situation they model .</li> </ul>
Linear Functions	AR.MATH.CONTENT.HSN.Q.A.1 AR.MATH.CONTENT.HSN.Q.A.2 AR.MATH.CONTENT.HSN.Q.A.3 AR.MATH.CONTENT.HSA.CED.A.3 AR.MATH.CONTENT.HSA.REI.A.1 AR.MATH.CONTENT.HSA.REI.B.3 AR.MATH.CONTENT.HSA.REI.D.12	20 DAYS	Daily Assignments Verbal Feedback Activities Class Discussions Quizzes STAR Testing Tests	<ul style="list-style-type: none"> <li>Reason quantitatively and use units to solve problems.</li> <li>Create equations that describe numbers or relationships</li> <li>Understand solving equations as a process of reasoning and explain reasoning</li> <li>Solve equations and inequalities in one variable</li> <li>Solve system of equations</li> </ul>

Applications to Functions of Statistics	AR.MATH.CONTENT.HSN.Q.A.1 AR.MATH.CONTENT.HSN.Q.A.2 AR.MATH.CONTENT.HSN.Q.A.3 AR.MATH.CONTENT.HSS.ID.A.1 AR.MATH.CONTENT.HSS.ID.A.2 AR.MATH.CONTENT.HSS.ID.A.3 AR.MATH.CONTENT.HSS.ID.B.5 AR.MATH.CONTENT.HSS.ID.B.6 AR.MATH.CONTENT.HSS.ID.B.6.A AR.MATH.CONTENT.HSS.ID.B.6.B AR.MATH.CONTENT.HSS.ID.B.6.C AR.MATH.CONTENT.HSS.ID.C.7 AR.MATH.CONTENT.HSS.ID.C.8 AR.MATH.CONTENT.HSS.ID.C.9	30 DAYS	Daily Assignments Verbal Feedback Activities Class Discussions Bellringers Tests	<ul style="list-style-type: none"> <li>Reason quantitatively and use units to solve problems.</li> <li>Summarize, represent, and interpret data on a single count or measurement variable</li> <li>Summarize, represent, and interpret data on two categorical and quantitative variables</li> <li>Interpret linear models.</li> </ul>
Quadratics Functions	AR.MATH.CONTENT.HSN.Q.A.1 AR.MATH.CONTENT.HSN.Q.A.2 AR.MATH.CONTENT.HSN.Q.A.3 AR.MATH.CONTENT.HSN.RN.B.3 AR.MATH.CONTENT.HSN.RN.B.4 AR.MATH.CONTENT.HSA.APR.A.1 AR.MATH.CONTENT.HSA.APR.B.3 AR.MATH.CONTENT.HSA.APR.C.4 AR.MATH.CONTENT.HSA.CED.A.4 AR.MATH.CONTENT.HSA.REI.A.2 AR.MATH.CONTENT.HSA.REI.B.4 AR.MATH.CONTENT.HSA.REI.B.4.A AR.MATH.CONTENT.HSA.REI.B.4.B AR.MATH.CONTENT.HSA.REI.C.7 AR.MATH.CONTENT.HSA.SSE.A.1 AR.MATH.CONTENT.HSA.SSE.A.1.A AR.MATH.CONTENT.HSA.SSE.A.2 AR.MATH.CONTENT.HSA.SSE.B.3.A AR.MATH.CONTENT.HSA.SSE.B.3.B AR.MATH.CONTENT.HSF.BF.B.3 AR.MATH.CONTENT.HSF.IF.B.4 AR.MATH.CONTENT.HSF.IF.B.5 AR.MATH.CONTENT.HSF.IF.B.6 AR.MATH.CONTENT.HSF.IF.C.7 AR.MATH.CONTENT.HSF.IF.C.7.A AR.MATH.CONTENT.HSF.IF.C.8 AR.MATH.CONTENT.HSF.IF.C.8.A AR.MATH.CONTENT.HSF.IF.C.9	90 DAYS	Daily Assignments Verbal Feedback Activities Class Discussions Bellringers STAR Testing Tests	<ul style="list-style-type: none"> <li>Reason quantitatively and use units to solve problems.</li> <li>Use properties of rational and irrational numbers.</li> <li>Perform arithmetic operations on polynomials</li> <li>Understand the relationship between zeros and factors of polynomials.</li> <li>Use polynomial identities to solve problems.</li> <li>Create equations that describe numbers or relationships</li> <li>Understand solving equations as a process of reasoning and explain the reasoning</li> <li>Solve system and inequalities in one variable</li> <li>Solve system of equations</li> <li>Interpret the structure of expressions</li> <li>Write expressions in equivalent forms to solve problems</li> <li>Build new functions from existing functions</li> <li>Interpret functions that arise in applications in terms of the context</li> <li>Analyze functions using different representations</li> </ul>
Exponential Functions	AR.MATH.CONTENT.HSN.Q.A.1 AR.MATH.CONTENT.HSN.Q.A.2	40 DAYS	Daily Assignments Verbal Feedback	<ul style="list-style-type: none"> <li>Reason quantitatively and use units to solve problems.</li> <li>Write expressions in equivalent forms to solve problems</li> </ul>

	<p>AR.MATH.CONTENT.HSN.Q.A.3  AR.MATH.CONTENT.HSA.SSE.B.3  AR.MATH.CONTENT.HSA.SSE.B.3.C  AR.MATH.CONTENT.HSF.IF.A.3  AR.MATH.CONTENT.HSF.IF.B.4  AR.MATH.CONTENT.HSF.IF.B.5  AR.MATH.CONTENT.HSF.IF.B.6  AR.MATH.CONTENT.HSF.IF.C.7  AR.MATH.CONTENT.HSF.IF.C.7.E  AR.MATH.CONTENT.HSF.IF.C.8  AR.MATH.CONTENT.HSF.IF.C.8b  AR.MATH.CONTENT.HSF.IF.C.9  AR.MATH.CONTENT.HSF.BF.A.1  AR.MATH.CONTENT.HSF.BF.A.1.A  AR.MATH.CONTENT.HSF.BF.A.1.B  AR.MATH.CONTENT.HSF.LE.A.1  AR.MATH.CONTENT.HSF.LE.A.1.A  AR.MATH.CONTENT.HSF.LE.A.1.B  AR.MATH.CONTENT.HSF.LE.A.1.C  AR.MATH.CONTENT.HSF.LE.A.2  AR.MATH.CONTENT.HSF.LE.A.3  AR.MATH.CONTENT.HSF.LE.B.5</p>		<p>Activities  Class Discussions  Bellringers  STAR Testing  Tests  Daily Assignments  Verbal Feedback  Activities  Class Discussions  Quizzes  Tests</p>	<ul style="list-style-type: none"> <li>• Understand the concept of a functions and use function notation.</li> <li>• Interpret functions that arise in applications in terms of a context</li> <li>• Analyze functions using different representations</li> <li>• Build a function that models a relationship between two quantities.</li> <li>• Construct and compare linear, quadratic, and exponential models and solve problems.</li> <li>• Interpret expressions for functions in terms of the situation they model.</li> </ul>
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- - Double Blocked Class times are listed

Curriculum is from Springdale Curriculum