

Algebra 1

Week 2: 9/4 to 9/8

Algebra I			Monday
<b>LABOR DAY</b>			
<b>HOLIDAY</b>			

Algebra I	Module 1	Topic 1	Tuesday MATHia
<b>TEKS: ALGI.3C, ALGI.7A, ALGI.9D</b>			
<b>LO: SWBAT apply</b> previously learned concepts through Skills Practice and MATHia			
<b>DOL:</b> <ul style="list-style-type: none"> <li>Given problem scenarios, students will <b>read</b> and <b>identify</b> the independent and dependent quantities.</li> <li>Given graphs, students will <b>sort</b> and <b>analyze</b> graphs according to certain characteristics</li> </ul>			
<b>AGENDA</b>			
Engage: Skills Practice		15 minutes	
Develop: MATHia		30 minutes	
<b>KEY WORDS</b>			
<ul style="list-style-type: none"> <li>Independent quantity</li> <li>Independent quantity</li> <li>Domain</li> <li>Range</li> </ul>			

Algebra I	Module 1	Topic 1	Wednesday/Thursday Lesson 3
<p><b>TEKS: ALGI.12A</b> Decide whether relations represent verbally, tabularly, graphically, and symbolically define a function.</p> <p><b>TEKS: ALGI.2A Determine</b> the domain and range of a linear function in mathematical problems; determine reasonable domain and range values for real-world situations, both continuous and discrete; and represent domain and range using inequalities.</p>			
<p><b>LO: SWBAT decide</b> whether relations define functions and non-functions from multiple representations.</p> <p><b>LO: SWBAT determine</b> the domain and range of functions and <b>identify</b> functions as increasing, decreasing, or constant.</p>			
<p><b>DOL:</b> Given various multiple representations, students will <b>decide</b> whether relations represent functions.</p> <p><b>DOL:</b> Given functions, students will <b>determine</b> the domain and range of functions.</p>			
<p>Engage: Getting Started:</p> <ul style="list-style-type: none"> <li>• Warm-Up: Describe the characteristics of a given graph</li> <li>• Odd One Out</li> </ul>	5 minutes		
<p>Develop:</p> <ul style="list-style-type: none"> <li>• Activity 3.1: Functions and Non-Functions</li> <li>• Activity 3.2: Domain and Range of a Function</li> <li>• DOL M1T1L3D1</li> </ul>	80 minutes		
<p><b>VOCABULARY</b></p> <ul style="list-style-type: none"> <li>• Function</li> <li>• Relation</li> <li>• Domain</li> <li>• Range</li> <li>• Function notation</li> <li>• Discrete graph</li> <li>• Continuous graph</li> <li>• Vertical line test</li> <li>• Increasing function</li> <li>• Decreasing function</li> <li>• Constant function</li> <li>• Function family</li> <li>• Linear function</li> <li>• Exponential function</li> </ul>			

Algebra I	Module 1	Topic 1	Lesson 3 Friday
<p><b>TEKS: ALGI.2A Determine</b> the domain and range of a linear function in mathematical problems; determine reasonable domain and range values for real-world situations, both continuous and discrete; and represent domain and range using inequalities.</p>			
<p><b>LO:</b> SWBAT <b>identify</b> absolute minimum and absolute maximum of functions.</p>			
<p><b>DOL:</b> Given a function, I will <b>identify</b> absolute minimum and absolute maximum of functions by answering at least 4 of 5 questions correctly.</p>			
Engage: Warm-Up Identify domain and range from graphs using words and inequalities	5 minutes		
Develop: <ul style="list-style-type: none"> <li>• Activity 3.3 Linear, constant, and exponential functions</li> <li>• DOL M1T1L3D2</li> </ul>	40 minutes		
<p style="text-align: center;"><b>VOCABULARY</b></p> <ul style="list-style-type: none"> <li>• Increasing function</li> <li>• Decreasing function</li> <li>• Constant function</li> <li>• Function family</li> <li>• Linear function</li> <li>• Exponential function</li> </ul>			