Unit 3: Introduction to Functions	Time Frame: 21 Days (Nov 16-20 & Dec 1-18)
Content Standards	**Standards for Mathematical Practice**
Major Standards	(1) Make sense of problems and persevere in solving them.
8.F.1 Understand that a function is a rule that assigns to each input exactly one output. The graph of a function is the set of ordered pairs consisting of an input and the corresponding output. **8.F.3** Interpret the equation $y = mx + b$ as defining a linear function, whose graph is a straight line; give examples of functions that are not linear. *For example, the function $A = s^2$ giving the area of a square as a function of its side length is not linear because its graph contains the points (1,1), (2,4), and (3,9), which are not on a straight line.*	(2) Reason abstractly and quantitatively. (3) Construct viable arguments and critique the reasoning of others. (4) Model with mathematics. (5) Use appropriate tools strategically. (6) Attend to precision. (7) Look for and make use of structure. (8) Look for and express regularity in repeated reasoning.
Supporting Standards	
Additional Standards	***8.F.1 – MP 1, 2, 3, 4, 5, 6, 7, 8***
	8.F.3 – MP 2, 4, 5, 6, 7
Pre-requisite Standards	
8.F.1 ● Know the relationship between a function, t-tables, and ordered pairs. ● Substitute given values into a function rule to generate the unknown input/output value. **8.F.3**	

- Solve and check equations by evaluating (substitution).

Lesson 1	Lesson 2	Lesson 3	Lesson 4	Lesson 5
Lesson Topic Introduce Relations and Functions Standard Ref 8.F.1 Resource/Strategy https://docs.google.com/document/d/1uM3pZuKUJugPiGKTLbQXvJAPt_qod2PYicWIKkUapM8/edit	Lesson Topic Identifying Domain and Range Standard Ref 8.F.1 Resource/Strategy https://docs.google.com/document/d/1uM3pZuKUJugPiGKTLbQXvJAPt_qod2PYicWIKkUapM8/edit	Lesson Topic Representing Relations Standard Ref 8.F.1 Resource/Strategy https://docs.google.com/document/d/1uM3pZuKUJugPiGKTLbQXvJAPt_qod2PYicWIKkUapM8/edit	Lesson Topic Ways to Determine Functions Standard Ref 8.F.1 Resource/Strategy https://docs.google.com/document/d/1uM3pZuKUJugPiGKTLbQXvJAPt_qod2PYicWIKkUapM8/edit	Lesson Topic Function Notation Standard Ref 8.F.1 Resource/Strategy https://docs.google.com/document/d/1uM3pZuKUJugPiGKTLbQXvJAPt_qod2PYicWIKkUapM8/edit
Lesson 6	**Lesson 7**	**Lesson 8**		
Lesson Topic Formative Assessment Lesson (FAL) Standard Ref 8.EE Resource/Strategy Solving Linear Equations with One Variable www.map.mathshell.com	Lesson Topic Evaluating Functions Standard Ref 8.F.1 Resource/Strategy https://docs.google.com/document/d/1uM3pZuKUJugPiGKTLbQXvJAPt_qod2PYicWIKkUapM8/edit	Lesson Topic Types of Functions/Characteristics of Functions (linear and non-linear) Standard Ref 8.F.3 Resource/Strategy https://docs.google.com/document/d/1uM3pZuKUJu		

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