Assessment Plan

Math 2 Unit 4

Standards/Topics	Conceptual Understanding	Procedural Skill & Fluency	Application
• A.CED.2 Create equations in two or more variables to represent relationships between quantities; graph equations on coordinate axes with labels and scales.			**Maximizing Area** Lesson 1 *Formative Assessment*
• F.IF.4, F.IF.5, F.IF.6 (*Linear and Exponential Functions*)			*2* **Pre-Assessment of F.IF.4, 5,6** Lesson 2 *(Quadratic Functions)*
• F.IF.4 For a function that models a relationship between two quantities, interpret key features of graphs and tables in terms of the quantities, and sketch graphs showing key features given a verbal description of the relationship. Key features include: intercepts; intervals where the function is increasing, decreasing, positive, or negative; relative maximums and minimums; symmetries; end behavior; and periodicity. (*Quadratic Functions)*			*4* **Quadratic Gallery Walk** Lesson 2 *Formative Assessment*
• F.IF.5 Relate the domain of a function to its graph and, where applicable, to the quantitative relationship it describes. For example, if the function h(n) gives the number of person-hours it takes to assemble n engines in a factory, then the positive integers would be an appropriate domain for			**4 Quadratic Gallery Walk** Lesson 2 *Formative Assessment*

the function. (*Quadratic Functions*)			
• F.IF.6 Calculate and interpret the average rate of change of a function (presented symbolically or as a table) over a specified interval. Estimate the rate of change from a graph. (*Quadratic Functions*)	*3* **Box Problem** Lesson 2 *Formative Assessment/Peer Assessment*	**3 Box Problem** Lesson 2 *Formative Assessment/Peer Assessment*	
• F.BF.1 Write a function that describes a relationship between two quantities. a) Determine an explicit expression, a recursive process, or steps for calculation from a context. b) Combine standard function types using arithmetic operations. *For example, build a function that models the temperature of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model.*		*1* **Maximizing Area** Lesson 1 *Formative assessment*	