

Any standard **highlighted in yellow** has been determined by our WCSD teachers, district and state experts as essential for students to master.

<p>Strand 10.F.BF.1,3: I can build a function that models a relationship between two quantities (Standard F.BF.1). I can build new functions from existing functions (Standard F.BF.3).</p>			
<p>Standard 10.F.BF.1: I can write quadratic or exponential function that describes a relationship between two quantities.</p>			
<p>Learning Targets</p> <ul style="list-style-type: none"> I can determine an explicit expression, a recursive process, or steps for calculation from a context. I can combine standard function types using arithmetic operations (i.e build a function that models the temperatures of a cooling body by adding a constant function to a decaying exponential, and relate these functions to the model. 	<p>Academic Vocabulary & Notation</p> <ul style="list-style-type: none"> explicit expression, recursive process, calculation, quadratic, exponential function, quantities, relationship 	<p>Question Stems</p> <ul style="list-style-type: none"> What other way could you.....? What questions arose as you worked ? 	<p>Possible Assessments</p> <ul style="list-style-type: none"> <u>District CFAs</u>

Standard 10.F.BF.3: I can identify the effect on the graph of replacing $f(x)$ by $f(x) + k$, $k f(x)$, $f(kx)$, and $f(x + k)$ for specific values of k (both positive and negative).

Learning Targets	Academic Vocabulary & Notation	Question Stems	Possible Assessments
<ul style="list-style-type: none"> • I can find the value of k given the graphs. • I can focus on quadratic functions and consider including absolute value functions. • I can experiment with cases and illustrate an explanation of the effects on the graph using technology. • I can recognize even and odd functions from their graphs and algebraic expressions. 	<ul style="list-style-type: none"> • identify, value of k, graphs, quadratic functions, absolute value functions, even functions, odd functions, algebraic expressions 	<ul style="list-style-type: none"> • Justify your answer • What would happen if _____? 	<ul style="list-style-type: none"> • <u>District CFAs</u>