## **Instructional Flow – Unit 1 – Functions and Models**

1.2	Functions and Their Properties
	• continuity
	domain and range
	<ul> <li>increasing and decreasing</li> </ul>
	local and absolute extrema
	• symmetry
	• even and odd
	boundedness
1.3	Twelve Basic Functions
	<ul> <li>analysis of the parent functions</li> </ul>
	piece-wise functions using the parent functions
1.4	Building Functions from Functions
	<ul> <li>operations, including composition and decomposition</li> </ul>
	implicitly defined functions
1.5	Parametric Relations and Inverses
	verification of function inverses
	determination of function inverses algebraically and graphically
1.6	Cranhical Transformations
1.0	<ul> <li>Graphical Transformations</li> <li>translations, reflections, and dilations</li> </ul>
	transformation of a function with restricted domain
2.2	Power Functions with Modeling
2.2	<ul> <li>power functions as variations</li> </ul>
	<ul><li>graphs of power functions</li></ul>
	<ul> <li>applications</li> </ul>