Math 4 Honors

**Unit 7 Learning Goals**

**“Additional Rules & Applications for the Derivative”**

*Lesson 7-1: Power, Product, Quotient and Chain Rules*

* I can use the Power, Product, Quotient & Chain Rules to find the derivatives of more complicated functions.
* I can use the derivative and the P, Pr, Q, & C Rules to analyze a function.

*Lesson 7-2: Trig. Rules*

* I can apply the rules for the derivatives of the six trigonometric functions to differentiate trigonometric functions.

*Lesson 7-3: Implicit Differentiation*

* I can use implicit differentiation to find the derivative of equations that are written implicitly.

*Lesson 7-4: Related Rates*

* I can use implicit differentiation to solve related rates problems.