ALGEBRA II

July 22nd, 2024

Unit: Polynomial Functions

Materials: Guided notes, materials for activity, laptop, cutouts of polynomial functions

Vocabulary: function, even, odd, neither, symmetry.

Common Core Standards; CCSS.MATH.CONTENT.HSF.BF.B.3

• 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); find the value of k given the graphs. Experiment with cases and illustrate an explanation of the effects on the graph using technology. **Include recognizing even and odd functions from their graphs** and algebraic expressions for them.



Part 2: Using the Machine 10 minutes	Students will be given 20 more graphs (CUTOUTS, from DELTAMATH) and then will sort them, this time, using their outputs from their teachable machine. Students will share their work in a Jamboard/ Lumio.
Exit Activity 5 minutes	Create your own even and odd functions, label them, and test the model's accuracy.