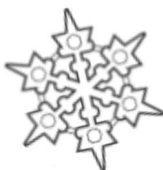


# Algebra 2 Unit 2: Polynomial Functions and Operations

I CAN:

- Perform addition, subtraction and multiplication with polynomial expressions
- Identify or describe characteristics of polynomial functions, including:
  - Domain and Range
  - x- and y-intercepts
  - End Behavior
  - Maximum and minimum
  - Intervals of Increase/Decrease and number of turns
- Perform function Operations and Compositions
- Given a function,  $f(x)$ , find its inverse  $f^{-1}(x)$ , both graphically and algebraically



Monday	Tuesday	Wednesday	Thursday	Friday
24	25	26 DAY 1 Intro to Polynomials and Polynomial Operations	27 DAY 2 Pascal's Triangle and Binomial Expansion	28 DAY 3 Characteristics of Polynomials: Domain & Range, Intercepts
31 DAY 4 <b>Quiz: Polynomial Operations and Basic Characteristics</b>	1 DAY 5 Characteristics: Min Degree/Max Turning Points, Extrema, End Behavior	2 DAY 6 Intervals of Inc/Dec, All Characteristics	3 DAY 7 Function Operations and Composition of Functions	4 DAY 8 Function Inverses
7 DAY 9 More Practice Operating with Functions	8 DAY 10 Review Unit 2	9 DAY 11 <b>Unit 2 Test</b>	10	11

\*THIS PLAN IS SUBJECT TO CHANGE. PLEASE REFER TO CTLS DIGITAL CLASSROOM FOR UPDATES.\*