6th Grade Math Unit Plan-Algebra
Indicators:

PFA.A.1 represent and analyze patterns, rules, and functions, using physical materials, tables, and graphs.
PFA.B.2 use words and symbols to describe numerical and geometric patterns, rules, and functions.
PFA.D.3 recognize and generate equivalent forms of algebraic expressions, and explain how the commutative, associative, and distributive properties can be used to generate equivalent forms.
PFA.C.4 solve simple linear equations and inequalities using physical models, paper and pencil, tables, and graphs.
PFA.F.5 produce and interpret graphs that represent the relationship between two variables.
PFA.G.6 evaluate simple expressions by replacing variables with given values, and use formulas in problem-solving situations.
PFA M.7 identify and describe situations with constant or varying rates of change, and compare them.
PFA.L.8 use technology to analyze change.

Content/Concepts:
Identify properties to evaluate expressions, analyze patterns, rules and functions, describe patterns, rules and functions, solve linear equations and inequalities, evaluate expressions, describe rates of change.
Skills:
Identify, evaluate, analyze, describe, solve.

Critical Questions:

- Can I describe the pattern, rule and function?
- Can I recognize the pattern, rule and function?
- Can I identify the commutative, associative, and distributive properties?
- Can I solve linear equations and inequalities?
- Can I evaluate simple expressions?
- Can I identify types of rates of change?

Assessments:
Daily classroom work
Practice work
Classroom participation
Quizzes
Tests