**Student Learning Map**

**Key Learning:** Students will understand that expressions are mathematical phrases, composed of variables and symbols, which are used to represent verbal or physical quantities and those expressions, can only be simplified and/or evaluated.

**Unit Essential Question:** Some people view Algebra as the discovery and application of patterns. What are some patterns in Algebra and how might they be used?

**Concept:**
- Use the rules for exponents to simplify monomials.
- Use the distributive property to find the sums, differences, and products of polynomials
- Simplify radical expressions

**Lesson Essential Questions:**
- Use properties to simplify monomial expressions
- Use the distributive property to find the sums, differences, and products of polynomials
- Write simplified algebraic expressions to represent perimeter and/or area
- Simplify radical expressions

**Vocabulary:**
- Area
- Evaluate Product
- Term
- Base
- Exponent
- Sum
- Distribute
- Trinomial
- Binomial
- Factor
- Simplify
- Variable
- Constant
- Polynomial
- Radical
- Like Terms
- Square Root
- Degree
- Monomial Standard Form
- Difference
- Perimeter

**Additional Information/Resources:**
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