

# WILD Correlations: MATH GRADE 3

## Content Standard 1: Mathematical Processes

Learning Expectations	Project WILD (W) and Aquatic WILD (AW) Correlations
GLE 0306.1.1 Use mathematical language, symbols, and definitions while developing mathematical reasoning.	
GLE 0306.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.	
GLE 0306.1.3 Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.	
GLE 0306.1.4 Move flexibly between concrete and abstract representations of mathematical ideas in order to solve problems, model mathematical ideas, and communicate solution strategies.	
GLE 0306.1.5 Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.	
GLE 0306.1.6 Read and interpret the language of mathematics and use written/oral communication to express mathematical ideas precisely.	
GLE 0306.1.7 Recognize the historical development of mathematics, mathematics in context, and the connections between mathematics and the real world.	
GLE 0306.1.8 Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts.	

## Content Standard 2: Number and Operations

Learning Expectations	Project WILD (W) and Aquatic WILD (AW) Correlations
GLE 0306.2.1 Understand the place value of whole numbers to ten-thousands place including expanded notation for all arithmetic operations.	
GLE 0306.2.2 Develop understanding of multiplication and related division facts through multiple strategies and representations.	
GLE 0306.2.3 Relate multiplication and division as inverse operations.	
GLE 0306.2.4 Solve multiplication and division problems using various representations.	
GLE 0306.2.5 Understand the meaning and uses of fractions.	
GLE 0306.2.6 Use various strategies and models to compare and order fractions and identify equivalent fractions.	
GLE 0306.2.7 Add and subtract fractions with like denominators using various models.	

## Content Standard 3: Algebra

Learning Expectations	Project WILD (W) and Aquatic WILD (AW) Correlations
<p>GLE 0306.3.1 Develop meaning for and apply the commutative, associative, and distributive properties using various representations.</p> <p>GLE 0306.3.2 Develop understanding that a letter or a symbol can represent an unknown quantity in a simple mathematical expression/equation.</p>	
<p>GLE 0306.3.3 Describe and analyze patterns and relationships in contexts.</p>	<p><b>Fashion a Fish, AW56</b> - Students consider fish attributes and their effects on fish survival.</p>
<p>GLE 0306.3.4 Create and represent patterns using words, tables, graphs, and symbols.</p>	

## Content Standard 4: Geometry and Measurement

Learning Expectations	Project WILD (W) and Aquatic WILD (AW) Correlations
GLE 0306.4.1 Describe, compare, and analyze properties of polygons.	
GLE 0306.4.2 Understand and apply the concepts of congruence and symmetry.	
GLE 0306.4.3 Understand and use attributes of 2- and 3-dimensional figures to solve problems.	
GLE 0306.4.4 Use appropriate units, strategies and tools to solve problems involving perimeter.	
GLE 0306.4.5 Solve measurement problems involving fractional parts of linear units and capacity units.	

## Content Standard 5: Data Analysis, Statistics and Probability

Learning Expectations	Project WILD (W) and Aquatic WILD (AW) Correlations
GLE 0306.5.1 Organize, display, and analyze data using various representations to solve problems.	<p><b>Graphananimal, W49</b> - Students graph and compare their results.</p> <p><b>Plastic Jellyfish, AW128</b> - Students collect and sort plastic litter (Steps 1 and 2). As <b>Extensions</b>, they establish a Litter Patrol and research the breakdown of plastic litter over a 1 month period.</p> <p><b>Water We Eating? AW83</b> – As an Extension, students classify food products by aquatic habitats or compare aquatic products in typical American supermarkets to those in ethnic markets</p>