

PLT Correlations: MATH GRADE 2 (revised 5/2010)

Content Standard 1: Mathematical Processes

Learning Expectations	PLT Correlations
<p>GLE 0206.1.1 Use mathematical language, symbols, and definitions while developing mathematical reasoning.</p> <p>GLE 0206.1.2 Apply and adapt a variety of appropriate strategies to problem solving, including estimation, and reasonableness of the solution.</p> <p>GLE 0206.1.3 Develop independent reasoning to communicate mathematical ideas and derive algorithms and/or formulas.</p> <p>GLE 0206.1.4 Move flexibly between concrete and abstract representations of mathematical ideas in order to solve problems, model mathematical ideas, and communicate solution strategies.</p>	
<p>GLE 0206.1.5 Use mathematical ideas and processes in different settings to formulate patterns, analyze graphs, set up and solve problems and interpret solutions.</p>	<p>32. A Forest of Many Uses (p.135) - Students classify forest uses into 3 categories.</p>
<p>GLE 0206.1.6 Read and interpret the language of mathematics and use written/oral communication to express mathematical ideas precisely.</p> <p>GLE 0206.1.7 Recognize the historical development of mathematics, mathematics in context, and the connections between mathematics and the real world.</p> <p>GLE 0206.1.8 Use technologies/manipulatives appropriately to develop understanding of mathematical algorithms, to facilitate problem solving, and to create accurate and reliable models of mathematical concepts.</p>	

Content Standard 2: Number and Operations

Learning Expectations	PLT Correlations
GLE 0206.2.1 Understand and use place value concepts to 1000.	
GLE 0206.2.2 Understand and use the base-ten numeration system.	
GLE 0206.2.3 Use efficient and accurate strategies to develop fluency with multi-digit addition and subtraction.	
GLE 0206.2.4 Develop an initial understanding of multiplication.	

Content Standard 3: Algebra

Learning Expectations	PLT Correlations
GLE 0206.3.1 Develop pattern recognition.	
GLE 0206.3.2 Extend knowledge of the properties of numbers and operations to multiplication.	
GLE 0206.3.3 Solve simple arithmetic problems using various methods.	
GLE 0206.3.4 Describe quantitative change.	

Content Standard 4: Geometry and Measurement

Learning Expectations	PLT Correlations
GLE 0206.4.1 Recognize, classify, and transform 2- and 3-dimensional geometric figures.	1. The Shape of Things, p.17 - In Part B, students take a walk and look for their assigned shapes.
GLE 0206.4.2 Understand the meaning and process of linear measurement.	67. How Big Is Your Tree?, p.284 - Students use string or “hand-spans” to measure the distance around a tree trunk or join arms to reach around larger trunks.
GLE 0206.4.3 Add, subtract, compare, compute and estimate linear measurements.	
GLE 0206.4.4 Compose and decompose polygons to make other polygons.	

Content Standard 5: Data, Probability and Statistics

Learning Expectations	PLT Correlations
<p>GLE 0206.5.1 Use and understand various representations to depict and analyze data measurements.</p>	<p>4. Sounds Around, p.26 - In Part A, students listen to and imitate sounds, comparing their loudness.</p> <p>6. Picture This, p.34 - In Part A, students sort pictures of plants and animals into groups.</p> <p>13. We All Need Trees (p.65) - In Part A, students classify tree products as wood, food, or paper.</p> <p>16. Pass the Plants, Please, p.77 - In Part A, students sort plant-derived foods into plant-part categories.</p> <p>21. Adopt A Tree, p.97 - In Part A, students compare their “adopted tree” to other trees.</p> <p>22. Trees as Habitats (p.102) - Students organize their data into tables and graphs to summarize their findings.</p> <p>25. Birds and Worms, p.111 - Students gather and sort colored objects representing worms or bugs to discover the value of protective coloration.</p> <p>27. Every Tree for Itself, p.117 - Students gather and sort “tokens” by color to simulate competition by trees for soil resources.</p> <p>36. Pollution Search (p.153) - In Part A, students identify and categorize forms of pollution and create a data collection chart.</p> <p>37. Reduce, Reuse, Recycle (p.159) – Students sort and quantify solid waste according to various attributes.</p> <p>41. How Plants Grow, p.179 - In the Variation, students grow, measure, and compare two plants growing with versus without light, water, soil, or space.</p> <p>47. Are Vacant Lots Vacant? (p.200) - Students sketch and tally the plants and animals they observe.</p> <p>48. Field, Forest and Stream (p.203) - Students measure and compare light, moisture, temperature, and wind at various locations.</p> <p>64. Looking at Leaves, p.273 - Students explore leaf attributes such as color, shape, size, and bilateral symmetry.</p>
<p>GLE 0206.5.2 Determine whether an event is likely or unlikely.</p>	