Grade K PLT Correlations to Minnesota Academic Standards in Mathematics

				The Shape of Things	Sounds Around	Picture This	Pass the Plants, Please	Adopt a Tree	Trees as Habitats	Birds and Worms	Every Tree for Itself	Pollution Search	Bursting Buds	Soil Stories
			Math correlation grade	PreK-3	PreK-8	PreK-5	gr K-8	PreK-8	PreK-8	K-6	K-8	PreK-6	K-6	K-8
			Project Learning Tree Activity Number:	**1**	**4**	**6**	**16**	**21**	**22**	**25**	**27**	**36**	**65**	**70**
			page number (2006 edition)	17	26	34	77	97	102	111	117	153	277	297
strand	Sub-strand	Standard	benchmark											
I. Mathematical Reasoning		Apply skills of mathematical representation, communication and reasoning throughout the remaining four content strands.	1. Create and solve word problems using actions, objects, words, pictures, or numbers.											
			2. Estimate and check that answers are reasonable.											
			3. Explain to others how a problem was solved.											
II. Number Sense, Compulation, & Reasoning	A. Number Sense	Represent quantities using whole numbers and understand relationships among whole numbers.	1. Count forward to 31, backward from 10.											
			2. Count the number of objects in a set and identify the quantity.							X				
			3. Compare the number of objects in two or more sets.							X				
			4. Given a number, identify one more or one less.											
	B. Computation and Operation	Add and subtract whole numbers up to 6 in real-world and mathematical problems.	1. Recognize the number of objects up to 6, without counting.											
			2. Add and subtract whole numbers up to 6, using concrete objects.											
III. Patterns, Functions, & Algebra	A. Patterns and Functions	Sort, classify and compare objects based on their attributes. Understand simple repeating patterns.	1. Sort objects in a set by one attribute such as size, shape, color or thickness.			X				X				
			2. Identify an object that does not belong in a set.											
			3. Recognize, describe and extend repeating patterns involving up to three elements using objects, pictures, sounds or movements.							X	X			
	B. Algebra (Algebraic Thinking)	(Standards under this heading may be locally determined.)												
IV. Data Analysis, Statistics, & Probability	A. Data and Statistics	Depict data with objects and pictures.	1. Represent data about classmates or their surroundings by using objects or pictures.	X	X					X	X			
	B. Probability	(Standards under this heading may be locally determined.)												

X = Significant correlation
0 = Some correlation

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				The Shape of Things (PreK-3, Act 1, p.17)	Sounds Around (PreK-8, Act 4, p.26)	Picture This (PreK-5, Act 6, p.34)	Pass the Plants, Please (gr K-8, Act 16, p.77)	Adopt a Tree (PreK-8, Act 21, p.97)	Trees as Habitats (PreK-8, Act 22, p.102)	Birds and Worms (K-6, Act 25, p.111)	Every Tree for Itself (K-8, Act 27, p.117)	Pollution Search (PreK-6, Act 36, p.153)	Bursting Buds (K-6, Act 65, p.277)	Soil Stories (K-8, Act 70, p.297)
strand	Sub-strand	Standard	benchmark											
V. Spatial Sense, Geometry, & Measurement	A. Spatial Sense	Understand meaning of terms used to describe location and placement of objects.	1. Locate and describe placement of objects with terms such as: on, inside, outside, above, below, over, under, beside, between, in front of, behind, next to, top, bottom.											
	B. Geometry	Sort two- and three-dimensional shapes.	1. Sort two- and three-dimensional shapes according to their geometrical attributes.	X										
	C. Measurement	Understand terms and comparative language used in various measurement situations. Identify tools to measure time. Identify coins.	1. Compare and order objects by length, weight, volume, temperature or size and use appropriate vocabulary such as longer than, holds more, smaller.											
			2. Know that clocks and calendars are instruments to measure time.											
			3. Recognize the following coins: penny, nickel, dime and quarter.											

The Project Learning Tree PreK-8 Activity Guide is written from a comprehensive environmental systems-based perspective and is multidisciplinary and cross-curricular in nature. Many lessons cover a wide spectrum of topics.

This correlations system represents PLT's interpretation of the Minnesota Academic Standards and their relation to the PLT PreK-8 Activity Guide (2006 revision). The activities are correlated to the Minnesota Academic Standards to illustrate the level to which the lessons address the learning benchmarks within the standards. No activities are designed to specifically meet the U.S. National Education Standards or the Minnesota Academic Standards. Individual educators are responsible for addressing specific requirements outlined within the Minnesota Academic Standards. Although each PLT activity provides assessment suggestions, individual educators are responsible for assessing student work. We strongly encourage all educators to modify lessons from the PLT Guide as they best see fit.

The grid below suggests correlations between each PLT activity and the MN Academic Benchmarks it addresses. An "x" means that the activity partially or fully addresses the concepts and language used in the Benchmark. An "o" means that the activity introduces the concepts and language used in the Benchmark.

We welcome your comments and suggestions regarding the accuracy and usefulness of this system.
We sincerely hope you will find these correlations useful as you integrate PLT activities into your curriculum.