				Module Name:		F	ocu	s or	ו Fo	res	sts			F	For	est	EC	olo	gy			Mu	nic	ipal	So	lid	Was	te							Foci	us o	on Ris	k				
	Correlation	is to PLT Se	econdary Modules &	PLT Activity Numbers:	1	2	3	4	5	6	7	8	1	2	2 3	3 4	1 5	6	7	8	1		2 :	3	4 5	5 6	7	8		1	2	3	4	5	6		7	8-a	8-b	8-0	: {	8-d
	Minnes Strand	Sota Acader Mathen Sub- Strand A. Data &	nic Standards in natics Standard Represent and interpret data in	Benchmark 1. Collect data using observations	What's a Forest to You?	Old-Growth Forests	Fough Choices	Who Owns America's Forests?	Balancing America's Forests	Squirrels vs. Scopes	Words to Live By	Take Action!	Adont-a-Forest	Cast of Thousands	The Nature of Plants	Home Sweet Home	Saga of the Gypsy Moth	Story of Succession	Understanding Fire	Fire Management	ntroduction to Municipal Solid Waste: The Waste	Stream	source Reduction Recycling and	Economics	Composting	Landfills	Where Does Your Garbage Go?	Take Action: Success Stories & Personal	Choices	What IS KISK?	I nings Aren t Always What They Seem	Chances AreUnderstanding	Risk Assessment: Tools	Communicating Risk	Weighing the Options: A ook at Tradeoffs	Decision-Making:	Ecological Risk, Mildfires, and Natural Hazards	Special Topic: Electromagnetic Fields	Special Topic: Chlorine	special Topic, Frastics, Risk/Benefit Analysis & Environmental	Taking Action: Reducing	Risk in You School or Community
Grade 4	Analysis, Statistics, and Probablility	Statistics	real-world and mathematical problems.	or surveys.	x								×	( X	¢						x	2	x	x	x		x	x							x			х				
Grade 6	II. Number Sense and Computations	B. Computation and Operation	Compute fluently and make reasonable estimates with postive and negative rational numbers in real-world and mathematical problems. Understand the meanings of arithmetic operations and factorization, and how they relate to o ne another. Appropriately use calculators and other technologies to solve problems.	8. Find, represent and use percentages in real-world and mathematical problems, including percentages greater than 100% and less than 1%.																	x			x																		
	IV. Data Analysis, Statistics, and Probablility	A. Data & Statistics	Represent data and use various measures associated with data to draw conclusions and indentify trends.	1. Collect, organize and represent categorical and numerical data with tables and bar graphs.											>	<b>,</b>		x			x			x	x	ĸ	x	x														
Grade 6		B. Probability	Calculate and express probabilities numerically, and apply probability concepts to solve real-world and mathematical problems.	2. Represent all possible outcomes for a probablity problems with tables, grids, and tree diagrams to calculate probablities and draw conclusions form the results.																												x										
	V. Spatial Sense, Geometry, and Measurement	C. Measurement	Make calculations of time, length, area, and volumn within standard measuring systems, using good judgment	1. Solve problems requiring conversion of units within the U.S. customary system, and within the metric system.															x		Х																					
Grade 6			in choice of units.	3. Find the area and perimeter of a rectangle by measuring, using a grid or using a formula, and label the answer with appropriate units.										x	(						х																					

				Module Name:		F	ocus	s on	For	ests	;		F	ore	est E	Eco	log	у		М	uni	cipa	I S	olid	Wa	ste							Fo	cus	on Ris	sk			
	Correlation	is to PLT S	econdary Modules &	PLT Activity Numbers:	1	2	3	4	5	6	7 8	8	1 2	3	4	5	6	7 8		1	2	3	4	5 6	5 7		B	1	2	3		4	5	6	7	8-a	8-b	8-c	8-d
	Minnes	ota Acader Mathen Sub- Strand	nic Standards in natics Standard	Benchmark	What's a Forest to You?	Old-Growth Forests	Tough Choices	Who Owns America's Forests?	Balancing America's ⁼orests	Squirrels vs. Scopes	Nords to Live By	l ake Action!	Adopt-a-Forest Cast of Thousands	The Nature of Plants	Home Sweet Home	Saga of the Gypsy Moth	Story of Succession	Understanding Fire Fire Management	ntroduction to Municipal	Solid Waste: The Waste Stream	Source Reduction	Recycling and Economics	Composting	Waste-to-Energy andfills	Where Does Your	Take Action: Success	choices	What is Risk?	Things Aren't Always What They Seem	Chances Are…Understanding	Probability and Risk Risk Assessment: Tools	of the Trade	Communicating Risk	veigning the Options: A _ook at Tradeoffs	Decision-Making: Ecological Risk, Vildfires, and Natural Hazards	Special Topic: Electromagnetic Fields	Special Topic: Chlorine	opecial Topic. Frastics, Risk/Benefit Analysis & Environmental	Taking Action: Reducing Risk in You School or Community
Grade 7	V. Spatial Sense, Geometry, and Measurement	B. Geometry	Use basic geometric principles and proportional reasoning reasoning to solve real-world and mathematical problems.	<ol> <li>Calculate the radius, diameter, circumference and area of a circle given any one of these.</li> <li>Use ratios and proportions to interpret map scales and scale drawings</li> </ol>									x										x																
Grada 8	III. Patterns, Functions, and Algebra	B. Algebra (Algebraic Thinking)	Use algebraic operations to generate equivalent expressions, and use proportional reasoning to solve real-world and mathematical problems. Demonstrate the ability to manipulate an equation by applying arithmetic operations to both sides to maintain equivalence.	3. Use proportions and percents with one unknown quantity to solve real-world and mathematical problems.									x									x																	
Crade 8	IV. Data Analysis, Statistics, and Probablility	A. Data & Statistics	Represent data and use various measures associated with data to draw conclusions and identify trends.	1. Construct and analyze histograms, circle graphs, stem and leaf plots and box-whisker- plots.				x																															
Grade 8	V. Spatial Sense, Geometry, and Measurement	C. Measurement	Make calculations of time, length, area, and volumn within standard measuring systems, using good judgment in choice of units.	Find approximate equivalent measures of length, temperature and weight for common units in U.S customary and metric measuring systems.																		x																	
	IV. Data Analysis, Statistics, and Probablility	A. Data & Statistics	Represent data and use various measures associated with data to draw conclusions and identify trends. Understand the	Construct and analyze histograms, circle graphs, stem and leaf plots and box-whisker-plots.																																			
Grades 9. 10. 11			effects of display distortion and measurement error on the interpretation of data.	2.Use measures of central tendency and variability, such as mean, median, maximum, minimum, range, standard deviation, quartile and percentile, to describe, compare and draw conclusions about sets of data.																					x		×			x									

				Module Name:		F	ocu	s on	For	est	ts			Fc	ore	st E	col	ogy	/		Μι	inic	ipal	So	lid \	Nas	te						For	cus	on Ris	k			
	Correlation	ns to PLT S	econdary Modules &	PLT Activity Numbers:	1	2	3	4	5	6	7	8	1	2	3	4	5	6	7 8	1	1	2	3 4	4 5	6	7	8	1	2	3		4	5	6	7	8-a	8-b	8-c	8-d
	Minnes	ota Acader Mathen	nic Standards in natics		orest to You?	r Forests	ices	America's	America's	s. Scopes	ive By	ic	rest	ousands	of Plants	et Home	Gypsy Moth	ccession	Jement	n to Municipal e: The Waste		duction	-	u nerav	68.00	is Your o?	n: Success ersonal	k?	n't Always Seem	rstanding	and Risk	e	ating Risk ne Options: A	deoffs	akıng: Risk, nd Natural	oic: Inetic Fields	oic: Chlorine	orc. Frastics, it Analysis & ntal	on: Reducing School or
	Strand	Sub- Strand	Standard	Benchmark	What's a Fo	Old-Growth	Tough Cho	Who Owns Forests?	Balancing / Forests	Squirrels vs	<b>Nords to Li</b>	Take Actior	Adopt-a-Fo	Cast of Thc	The Nature	Home Swe	Saga of the	Story of Su	Fire Manag	ntroduction Solid Waste	Stream	Source Red Recycling a	Economics	Vaste-to-E	-andfills	Where Doe Garbage G	Take Actior Stories & P Choices	What is Ris	Things Are What Thev	Chances AreUnde	Probability	Aisk Asses of the Trad	Communica Neighing th	ook at Tra	Jecision-M Ecological I Wildfires, a Hazards	Special Top Electromag	Special Top	Special Top Risk/Benefi Environmer	Taking Acti Risk in You Community
				5. Understand the relationship between correlation and causation.																						x	х												
		B. Probability	Use appropriate counting procedures, calculate probabilities in various ways and apply theoretical	3. Use probability models, including area and binomial models, in real-world and mathematical problems.																										×		x							
des 9, 10, 11			probability concepts to solve real-world and mathematical problems.	<ol> <li>Use a variety of experimental, simulation and theoretical methods to calculate probabilities.</li> </ol>																										×					x				
Gra				2. Use probablity trees in real- world situations																															х				
1	V. Spatial Sense, Geometry, & Measurement	B. Geometry	Apply basic theorems of plane geometry, right triangle trigonometry, coordinate geometry and a variety of visualization tools to solve real- world and mathematical problems.	4. Apply the basic concepts of right triangle trigonometry including sine, cosine and tangent to solve real-world and mathematical problems.										x																									
Grades 9, 10, 1		C. Measurement	Use the interconnectedness of geometry, algebra, and measurement to explore real- world mathematical problems.											x																									
11, 12	I. Statistics		Use tables of the normal distribution & properties of that distribution to make judgments about populations	1. Use the concept of normal distribution and its properties to answer questions about sets of data.																										x	2								
Grades			these populations.	2. Calculate confidence intervals.																			T																

			Module Name:		Fo	cus	on F	ores	sts			For	est	Eco	log	/		Mur	nicip	al S	olic	l Wa	ste					F	ocus	s on Ris	sk			
Correlation	s to PLT Se	econdary Modules &	PLT Activity Numbers:	1	2	3	4	56	6 7	8	1	2 3	3 4	5	6	7 8	1	2	3	4	5	6 7	8	1	2	3	4	5	6	7	8-a	8-b	8-c	<b>8-d</b>
Minnes	ota Acader	nic Standards in		;nc										loth			ipal tste						s				slo		s: A	_	sp	ne	ý a	cing
	Mathen	natics		t to Ye	rests	erica's	rica's	Serio	supes By			Inds	lants	psy M	ssion	ent	Munic he Wa	ion			gy	our	ucces		vlways em	nding Rick	ent: To	g Risk	)ption: offs	ng: t, Natura	ic Field	Chlori	nalysis	Reduc hool o
				Fores	th Fo	ioices is Am	Ame	U.	Live I	juo	orest	l jo e	e et H	le Gy	ncce:	ining gemin	on to ste: T	educt	and	Bu	Ener	es Y	on: Si Perso	isk?	en't A y See	lersta v and	ssme de	catinę	the C radec	Makir I Risk and 1	opic: igneti	opic:	opic. sfit Ar ental	tion: ou Scl ty
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Strand	Strand	Standard	Benchmark	What	0-PIC	Toug	<sup>-</sup> ore: 3alar	Fores	Norc	Take	Adop	Cast The f	Hom	Saga	Story	Fire l	ntrod Solid	Strea	Recy	Com	Wast	-and Whei	Take	What	Thing What	Char Are	Risk of the	Com	Veig _ook	Decis Ecolo Mildf Haza	Spec Elect	Spec	spec Risk/ Envir	Takir Risk Com

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.