



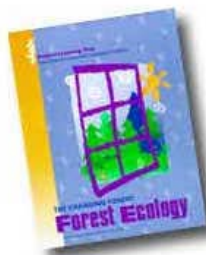
Project Learning Tree  
**Secondary Modules for Grades 9-12**

Correlations to the  
State of Minnesota

Science  
and  
Social Studies Standards



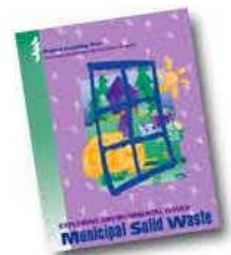
*Exploring  
Environmental Issues:  
Focus on Forests*



*The Changing Forest:  
Forest Ecology*



*Exploring  
Environmental Issues:  
Focus on Risk*



*Exploring  
Environmental Issues:  
Municipal Solid  
Waste*

Additional correlations can be found at  
[www.dnr.state.mn.us/plt](http://www.dnr.state.mn.us/plt)

**Project Learning Tree Correlations to 2004 Science and Social Studies Academic Standards**

**Project Name:** Exploring Environmental Issues: Focus on Forests

**Activity Title:** What's a Forest to You?

**Activity Number:** 1

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	I	C	5		o

**Project Name:** Exploring Environmental Issue: Focus on Forests

**Activity Title:** Old-Growth Forests

**Activity Number:** 2

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	I	C	1	5	o
	9-12	III	A	1 (b)		X
	9-12	IV	C	1	1, 2, 3, 4	o

**Project Name:** Exploring Environmental Issue: Focus on Forests

**Activity Title:** Tough Choices

**Activity Number:** 3

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	III	A	1 (b)		X

**Project Name:** Exploring Environmental Issue: Focus on Forests

**Activity Title:** Who Owns America's Forests?

**Activity Number:** 4

**Notes:** Application of quantitative skills to scientific investigation

**Project Name:** Exploring Environmental Issue: Focus on Forests

**Activity Title:** Balancing America's Forests

**Activity Number:** 5

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	III	A	1 (b)		X

**Project Name:** Exploring Environmental Issue: Focus on Forests

**Activity Title:** Squirrels vs. Scopes

**Activity Number:** 6

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	III	A	1 (b)		o

**Notes:** Literary connections to science

**Project Name:** Exploring Environmental Issue: Focus on Forests

**Activity Title:** Words to Live By

**Notes:** Literary connections to science

**Project Name:** Exploring Environmental Issue: Focus on Forests

**Activity Title:** Take Action!

**Activity Number:** 8

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	III	A	1 (b)		o

**Notes:** Service learning opportunity

*Project Learning Tree Correlations to 2004 Science and Social Studies Academic Standards*

**Project Name:** The Changing Forest: Forest Ecology

**Activity Title:** Adopt-a-Forest

**Activity Number:** 1

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	IV	C	1	1, 2, 3	X
	9-12	IV	C	1	4	o

**Project Name:** The Changing Forest: Forest Ecology

**Activity Title:** Cast of Thousands

**Activity Number:** 2

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	I	B	1	1, 2, 3, 4	X
	9-12	IV	C	1	1, 2, 3, 4	X

**Notes:** Application of quantitative skills to scientific investigation

**Project Name:** The Changing Forest: Forest Ecology

**Activity Title:** The Nature of Plants

**Activity Number:** 3

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	I	B	1	1, 2, 3, 4	X
	9-12	II	B	1	1, 2	o
	9-12	IV	A	1	1	X
	9-12	IV	C	1	1, 4	X
	9-12	IV	F	1	1, 3	o
	9-12	IV	F	1	5	X

**Project Name:** The Changing Forest: Forest Ecology

**Activity Title:** Home Sweet Home

**Activity Number:** 4

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	III	A	1 (b)		o
	9-12	IV	C	1	1, 4	X

**Project Name:** The Changing Forest: Forest Ecology

**Activity Title:** Saga of the Gypsy Moth

**Activity Number:** 5

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	III	A	1 (b)		X
	9-12	IV	C	1	2	o
	9-12	IV	C	1	4	X
Social Studies	Grade Band	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	V	D	1	2, 3	

**Project Name:** The Changing Forest: Forest Ecology

**Activity Title:** Story of Succession

**Activity Number:** 6

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	I	B	1	1, 2, 3, 4	X
	9-12	III	A	1 (b)		o
	9-12	IV	C	1	2, 3	o

**Notes:** Literary connections to science

**Project Name:** The Changing Forest: Forest Ecology

**Activity Title:** Understanding Fire

**Activity Number:** 7

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	1, 2, 3, 4, 5	o
	9-12	III	A	1 (b)		X
	9-12	IV	C	1	2, 4	o
	9-12	IV	F	1	5	o
Social Studies	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	V	D	1	1, 2, 3	

**Project Name:** The Changing Forest: Forest Ecology

**Activity Title:** Fire Management

**Activity Number:** 8

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	III	A	1 (b)		X
	9-12	IV	C	1	4	X
	9-12	IV	F	1	5	o
Social Studies	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	V	D	1	1, 2, 3	

**Project Name:** Exploring Environmental Issues: Municipal Solid Waste

**Activity Title:** Introduction to Municipal Solid Waste: The Waste Stream

**Activity Number:** 1

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	A	1	1	o
	9-12	I	B	1	1, 3	o
	9-12	I	C	1	3, 5	o
	9-12	I	D	1	1, 2	o
	9-12	III	A	1 (b)		o
	9-12	III	A	1 (a)	2	o
	9-12	IV	C	1	4	o
Social Studies	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	III	A	1	2, 4	

**Notes:** Application of quantitative skills to scientific investigation

**Project Name:** Exploring Environmental Issues: Municipal Solid Waste

**Activity Title:** Source Reduction

**Activity Number:** 2

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	C	1	5	o
	9-12	III	A	1 (b)		o
	9-12	IV	C	1	4	o
Social Studies	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	VII	A	3	1, 2, 3, 4	

*Project Learning Tree Correlations to 2004 Science and Social Studies Academic Standards*

**Project Name:** Exploring Environmental Issues: Municipal Solid Waste

**Activity Title:** Recycling and Economics

**Activity Number:** 3

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	3	X
	9-12	I	C	1	1, 3	o
	9-12	II	A	1 (b)		X
Social Studies	Grade			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	VII	A	3	1, 2, 3, 4	

**Notes:** Application of quantitative skills to scientific investigation

**Project Name:** Exploring Environmental Issues: Municipal Solid Waste

**Activity Title:** Composting

**Activity Number:** 4

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	2, 5	o
	9-12	III	A	1 (b)		o
	9-12	III	A	1	2	o
	9-12	III	B	1	2	o
	9-12	IV	F	1	1, 4, 5	X
	9-12	IV	F	1	2	o

**Project Name:** Exploring Environmental Issues: Municipal Solid Waste

**Activity Title:** Waste-to-Energy

**Activity Number:** 5

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	A	1	5	o
	9-12	I	C	1	5	o
	9-12	II	C	1	2, 4, 7	o
	9-12	III	A	1 (b)		X
	9-12	III	B	1	4	o
Social Studies	Grade			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	VII	A	3	1, 2, 3, 4	

**Project Name:** Exploring Environmental Issues: Municipal Solid Waste

**Activity Title:** Landfills

**Activity Number:** 6

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	1, 3	o
	9-12	I	C	1	2, 4, 5	o
	9-12	I	D	1	1	o
	9-12	III	A	1 (b)		X
	9-12	IV	C	1	4	o
	9-12	IV	F	1	1, 2, 4	o
	9-12	IV	F	1	5	X
Social Studies	Grade			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	VII	A	3	1, 2, 3, 4	

**Project Name:** Exploring Environmental Issues: Municipal Solid Waste

**Activity Title:** Where Does Your Garbage Go?

**Activity Number:** 7

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	3	o
	9-12	I	C	1	2, 4, 5	o
	9-12	I	D	1	1	o
	9-12	III	A	1 (b)		X
Social Studies	Grade			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	VII	A	3	1, 2, 3, 4	

**Project Name:** Exploring Environmental Issues: Municipal Solid Waste

**Activity Title:** Take Action: Success Stories and Personal Choices

**Activity Number:** 8

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	1	X
	9-12	I	B	1	3, 4	o
	9-12	I	C	1	2	o
	9-12	I	D	1	1	X
	9-12	III	A	1 (b)		X
Social Studies	Grade			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	VII	A	3	1, 2, 3, 4	

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** What is Risk?

**Activity Number:** 1

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	III	A	1 (b)		X
Social Studies	Grade			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	IV	A	2	1, 2	

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Things Aren't Always What They Seem

**Activity Number:** 2

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	2, 3, 4, 5, 6	o
	9-12	I	C	1	5	o
	9-12	I	D	1	3	X
	9-12	IV	C	1	4	o
Social Studies	Grade			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	VII	A	3	1, 2	

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Chances Are...Understanding Probability and Risk

**Activity Number:** 3

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	3	X
	9-12	I	B	1	4, 5, 6	o
	9-12	I	C	1	2	o

**Notes:** Applications of quantitative skills to scientific investigation

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Risk Assessment: Tools of the Trade

**Activity Number:** 4

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	3, 4, 5, 6	o
	9-12	I	C	1	1, 2, 4, 5	o

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Communicating Risk

**Activity Number:** 5

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	3, 4, 5, 6	o
	9-12	I	C	1	2, 4, 5	o
	9-12	III	A	1 (b)		o
Social Studies	Standard			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	VII	A	3	1, 2	

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Weighing the Options: A Look at Tradeoffs

**Activity Number:** 6

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	3, 4, 5, 6	o
	9-12	I	D	1	3	o
	9-12	III	A	1 (b)		o
	9-12	IV	C	1	4	o
Social Studies	Standard			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	V	D	1	1, 2, 3	

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Decision-Making: Ecological Risk, Wildfires, and Natural Hazards

**Activity Number:** 7

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	2, 3, 4, 5, 6	o
	9-12	III	A	1	3, 4	o
	9-12	IV	C	1	4	o
Social Studies	Standard			Standard	Benchmark	Level of correlation
	Band	Strand	Sub-strand			
	9-12	V	D	1	1, 2, 3	

**Notes:** Application of quantitative skills to scientific investigation

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Special Topic: Electromagnetic Fields

**Activity Number:** 7 (a)

Science	Standard			Standard	Benchmark	Level of correlation
	Grade	Strand	Sub-strand			
	9-12	I	B	1	3	X
	9-12	I	B	1	4	o
	9-12	I	C	1	2, 4	X
	9-12	II	C	1	3, 4, 5, 7, 9	o
	9-12	II	E	1	1	o
	9-12	III	A	1 (b)		X

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Special Topic: Chlorine

**Activity Number:** 7 (b)

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	I	C	1	2, 4, 5	o
	9-12	I	D	1	1	o
	9-12	II	A	1	6, 9	o
	9-12	II	B	1	1	o
	9-12	III	A	1 (b)		X
	9-12	III	B	1	4	o
	9-12	IV	C	1	4	o

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Special Topic: Plastics, Risk/Benefit Analysis and Environmental Legislation

**Activity Number:** 7 (c)

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	I	B	1	1	o
	9-12	I	B	1	3	X
	9-12	I	C	1	2	o
	9-12	I	C	1	4, 5	X
	9-12	III	A	1 (b)		X
	9-12	III	B	1	4	o
	9-12	IV	C	1	4	o

**Project Name:** Exploring Environmental Issues: Focus on Risk

**Activity Title:** Taking Action: Reducing Risk in You School or Community

**Activity Number:** 8

Science	Standard Grade	Strand	Sub-strand	Standard	Benchmark	Level of correlation
	9-12	I	B	1	2, 3, 4, 5,	o
	9-12	III	A	1 (b)		X
Social Studies	Band	Strand	Sub-strand	Standard	Benchmark	
	9-12	VII	A	3	1, 2, 3, 4	
	9-12	VII	C		2	

**Notes:** Service learning opportunity