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To the users of this guide:

Since the implementation of Senate Bill 380, Missouri teachers and school administrators are interested in finding professional development opportunities that help them bring their specific curriculum into compliance with the Show Me Standards.

The curriculum for Projects WET, WILD, and Learning Tree was developed before the Show-Me Standards and the Science Curriculum Framework were put into place. Since these national projects, sponsored by the Department of Natural Resources and the Missouri Department of Conservation, provide the type of instruction and critical thinking reflected in the Standards, Frameworks, and the Missouri Assessment Project, the Department of Elementary and Secondary Education provided the funding to sequester a group of classroom teachers to complete an alignment to the Standards.

The Department seeks to provide the best professional development opportunities available and believes that the activities in the Projects provide good instructional strategies and serves as a model of the skills and knowledge Missouri students will need to succeed in school and the real world.

Sincerely,

C. J. Varnon

Correlation of Project Learning Tree to the Show-Me Standards

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Preface

To the Users of Project Learning Tree:

Hello! This publication contains a correlation of the newly adopted Show-Me Standards to the Project Learning Tree activity guides. The correlation will be useful to educators who want to incorporate PLT activities into their curriculum while insuring that they meet state education standards.

One of the most common concerns of educators when considering environmental education is that their days are already full. However, environmental education can become part of your curriculum without stealing time from other subjects. The correlations will give you ideas to help address environmental concerns, enhance your teaching skills and meet state education standards.

Introduced in the early 1970s, PLT has become one of the most widely used environmental education programs. PLT, using a hands-on, activity-based approach, provides students with ways to investigate environmental issues and encourages them to make informed and responsible decisions. The versatile nature of PLT makes it ideal for connecting to the Standards. It gives teachers an interdisciplinary learning tool that uses the environment as an integrating concept among all subject areas.

The correlation team was made up of educators who also serve as facilitators for Missouri PLT. The team independently evaluated each activity to decide if it met any of the 73 performance and knowledge standards. They sent this work to a review team who checked for omissions. The correlation team met again to consider the reviewers comments and to finalize their correlations.

We feel the correlations will be a valuable tool for educators integrating PLT into their classroom. The activities are adaptable and we encourage users of PLT to be creative. Most important, have fun!

Bruce Palmer, Coordinator
Missouri Project Learning Tree

Acknowledgments

Missouri Project Learning Tree gratefully acknowledges the financial support of the Missouri Department of Elementary and Secondary Education. Their backing enabled us to assemble the assessment team for a total of six days to compile and review this correlation. Special thanks to Ms. C.J. Varnon, Science Consultant, for her help in coordinating the financial support within the Department of Elementary and Secondary Education. C.J.'s participation in the first assessment meeting was important for a consistent evaluation of the Standards.

We also thank the Marine Learning Institute for providing the funding to print this final document.

Many, many thanks to the dedicated facilitators who spent long hours in the development of this correlation. The full assessment team consisted of facilitators representing Missouri Project Learning Tree, WILD and WET.

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The Show-Me Standards

Knowledge (Content) Standards

Communication Arts

In Communication Arts, students in Missouri public schools will acquire a solid foundation which includes knowledge of and proficiency in

- CA1 speaking and writing standard English (including grammar, usage, punctuation, spelling, capitalization)
- CA2 reading and evaluating fiction, poetry and drama
- CA3 reading and evaluating nonfiction works and material (such as biographies, newspapers, technical manuals)
- CA4 writing formally (such as reports, narratives, essays) and informally (such as outlines, notes)
- CA5 comprehending and evaluating the content and artistic aspects of oral and visual presentations (such as story-telling, debates, lectures, multi-media productions)
- CA6 participating in formal and informal presentations and discussions of issues and ideas
- CA7 identifying and evaluating relationships between language and culture

Fine Arts

In Fine Arts, students in Missouri public schools will acquire a solid foundation which includes knowledge of

- FA1 process and techniques for the production, exhibition or performance of one or more of the visual or performed arts
- FA2 the principles and elements of different art forms
- FA3 the vocabulary to explain perceptions about and evaluations of works in dance, music, theater and visual arts
- FA4 interrelationships of visual and performing arts and the relationships of the arts to other disciplines
- FA5 visual and performing arts in historical and cultural context

Health/Physical Education

In Health/Physical Education, students in Missouri public schools will acquire a solid foundation which includes knowledge of

- HP1 structures of, functions of, and relationships among human body systems
- HP2 principles and practices of physical and mental health (such as personal health habits, nutrition,

- stress management)
- HP3 diseases and methods for prevention, treatment and control
- HP4 principles of movement and physical fitness
- HP5 methods used to assess health, reduce risk factors, and avoid high-risk behaviors (such as violence, tobacco, alcohol, and other drug use)
- HP6 consumer health issues (such as the effects of mass media and technologies on safety and health)
- HP7 responses to emergency situations

Mathematics

In Mathematics, students in Missouri public schools will acquire a solid foundation which includes knowledge of

- MA1 addition, subtraction, multiplication and division; other number sense, including numeration and estimation; and the application of these operations and concepts in the workplace and other situations
- MA2 geometric and spatial sense involving measurement (including length, area, volume), trigonometry, and similarity and transformations of shapes
- MA3 data analysis, probability and statistics
- MA4 patterns and relationships within and among functions and algebraic, geometric and trigonometric concepts
- MA5 mathematical systems (including real numbers, whole numbers, integers, fractions), geometry, and number theory (including primes, factors, multiples)
- MA6 discrete mathematics (such as graph theory, counting techniques, matrices)

Science

In Science, students in Missouri public schools will acquire a solid foundation which includes knowledge of

- SC1 properties and principles of matter and energy
- SC2 properties and principles of force and motion
- SC3 characteristics and interactions of living organisms
- SC4 changes in ecosystems and interactions of organisms with their environments
- SC5 processes (such as plate movement, water cycle, air flow) and interactions of Earth's biosphere, atmosphere, lithosphere and hydrosphere
- SC6 composition and structure of the universe and the motions of the objects within it
- SC7 processes of scientific inquiry (such as formulating and testing hypotheses)
- SC8 impact of science, technology and human activity on resources and the environment

Social Studies

In Social Studies, students in Missouri public schools will acquire a solid foundation which includes knowledge of

- SS1 principles expressed in the documents shaping constitutional democracy in the United States
- SS2 continuity and change in the history of Missouri, the United States and the world
- SS3 principles and processes of governance systems
- SS4 economic concepts (including productivity and the market system) and principles (including the laws of supply and demand)
- SS5 the major elements of geographical study and analysis (such as location, place, movement, regions) and their relationships to changes in society and environment
- SS6 relationships of the individual and groups to institutions and cultural traditions
- SS7 the use of tools of social science inquiry (such as surveys, statistics, maps, documents)

Performance (Process) Standards

GOAL 1: Students in Missouri public schools will acquire the knowledge and skills to gather, analyze and apply information and ideas.

Students will demonstrate within and integrate across all content areas the ability to

- 1.1 develop questions and ideas to initiate and refine research
- 1.2 conduct research to answer questions and evaluate information and ideas
- 1.3 design and conduct field and laboratory investigations to study nature and society
- 1.4 use technological tools and other resources to locate, select and organize information
- 1.5 comprehend and evaluate written, visual and oral presentations and works
- 1.6 discover and evaluate patterns and relationships in information, ideas and structures
- 1.7 evaluate the accuracy of information and the reliability of its sources
- 1.8 organize data, information and ideas into useful forms (including charts, graphs, outlines) for analysis or presentation
- 1.9 identify, analyze and compare the institutions, traditions and art forms of past and present societies
- 1.10 apply acquired information, ideas and skills to different contexts as students, workers, citizens and consumers

GOAL 2: Students in Missouri public schools will acquire the knowledge and skills to communicate effectively within and beyond the classroom.

Students will demonstrate within and integrate across all content areas the ability to

- 2.1 plan and make written, oral and visual presentations for a variety of purposes and audience
- 2.2 review and revise communications to improve accuracy and clarity
- 2.3 exchange information, questions and ideas while recognizing the perspectives of others
- 2.4 present perceptions and ideas regarding works of the arts, humanities and sciences
- 2.5 perform or produce works in the fine and practical arts
- 2.6 apply communication techniques to the job search and to the workplace
- 2.7 use technological tools to exchange information and ideas

GOAL 3: Students in Missouri public schools will acquire the knowledge and skills to recognize and solve problems.

Students will demonstrate within and integrate across all content areas the ability to

- 3.1 identify problems and define their scope and elements
- 3.2 develop and apply strategies based on ways others have prevented or solved problems
- 3.3 develop and apply strategies based on one's own experience in preventing or solving problems
- 3.4 evaluate the processes used in recognizing and solving problems
- 3.5 reason inductively from a set of specific facts and deductively from general premises
- 3.6 examine problems and proposed solutions from multiple perspectives
- 3.7 evaluate the extent to which a strategy addresses the problem
- 3.8 assess costs, benefits and other consequences of proposed solutions

GOAL 4: Students in Missouri public schools will acquire the knowledge and skills to make decisions and act as responsible members of society.

Students will demonstrate within and integrate across all content areas the ability to

- 4.1 explain reasoning and identify information used to support decisions
- 4.2 understand and apply the rights and responsibilities of citizenship in Missouri and the United States
- 4.3 analyze the duties and responsibilities of individuals in societies
- 4.4 recognize and practice honesty and integrity in academic work and in the workplace
- 4.5 develop, monitor and revise plans of action to meet deadlines and accomplish goals
- 4.6 identify tasks that require a coordinated effort and work with others to complete those tasks
- 4.7 identify and apply practices that preserve and enhance the safety and health of self and others
- 4.8 explore, prepare for and seek educational and job opportunities

Authority for the Show-Me Standards: Section 160.514, Revised Statutes of Missouri, and the Code of State Regulations, 5 CSR 50-375.100.

Correlation of Project Learning Tree PreK-8 Activity Guide to the Show-Me Standards

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communication Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
400-Acre Wood	169	7-8	1,3,4,5,6	1		1,2,3,4,5,6	3,4,8	1,3,4,5,6,7	4,5,6,7,8,10	1,2,3,5,6,7	1,2,3,4,5,6,7,8	1,3,4,5,6,7
A Few of my Favorite Things	48	4-8	1,5,6	1,4			1,3,8	4	2,4,5,6,8,10	1,3,5,7	1,2,3,5,6,7,8	1,3,4,6,7
A Forest of Many Uses	98	1-8	1,4,5,6	1,4,5			3,4,8	4,5,6,7	5,6,10	1,3,4,5,7	1,3,5,6,7,8	1,2,3,6
A Look at Aluminum	180	5-8	1,3,4,5,6	1,4	6	1	1,4,8	3,4,6	4,5,6,8,10	1,2,3,5,6,7	1,2,4,5,6,7,8	1,2,3,5,6,7
A Look at Lifestyles	353	5-8	1,2,3,4,5,6,7	1,4,5			3,4,8	2,4,5,6,7	1,2,4,5,6,8,9	1,3,4,5,7	1,2,4,5,6,7	1,3,6
A Peek at Packaging	322	5-8	1,4,6	1,4	3,6		1,7,8	4,7	1,2,3,4,5,6,8,9,10	1,3,4,5	1,2,3,4,5,6,7,8	1,6,7
Adopt a Tree	65	K-8	1,4,5,6	1,2		1,2,4,6	1,3,4,8	4,5,6,7	1,2,3,4,5,6,8,10	1,3,4,5,7	5	1,5,6
Air Plants	85	3-6	1,5,6		1	1,2,3,6	1,2,3,4,5,7,8	7	2,3,4,5,6,8,10	1,3,7	1,5	1,6
Air to Drive	325	5-8	1,4,6		5,6	1,2,3,4	1,3,4,5,7,8	5,6,7	1,2,3,4,6,8,10	1,3,4,7	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7
Air We Breathe	265	6-8	1,3,4,6	1	5,6		1,2,4,5,7,8		1,2,3,4,5,6,10	1,3,7	1,2,4,5,6,7,8	1,6,7
Are Vacant Lots Vacant?	153	K-8	1,3,4,5,6	1		1,2,6	1,3,4,7,8	5,6,7	1,2,3,4,5,6,7,8,10	1,3,4,5,7	2,3,4,5	1,5,6
Birds and Worms	77	K-6	1,4,5,6	1,4	1,4	1,3,6	3,4,7		2,3,4,5,6,8,10	1,3,4,7	1,3,4,5,6,7	1,6

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communi- cation Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Bursting Buds	232	K-6	1,4,5,6	1,4		2,4	3,4,7,8		2,3,4,5,6,8	1,5,7	3,4,5	1
Can It Be Real?	30	4-8	1,3,4,5,6	1,4			3,4,7	7	1,2,4,5, 6,7,8	1,3,5,7	5	1,6
Charting Diversity	27	4-8	1,5,6			6	2,3,4,7	5	1,2,4,5,6,8	1,3,7	1,2,3,5	1,4,6
Democracy in Action	197	5-8	1,3,4,5,6	1,2,3,5			4,8	1,2,3,6,7	1,2,3,4, 5,6,8,10	1,3,4,5,6,7	1,4,5,6	1,2,3,4,6
Did You Notice?	366	K-8	1,4,5,6	1,3,4,5	1	6	4,7,8	2,4,5,6,7	1,2,4,5, 6,8,9	1,3,4,5,7	5	1,6
Dynamic Duos	79	5-8	1,2,3,4, 5,6,7				3,4	5,7	1,2,4,5, 6,8,10	1,3,7	1,3,5	1,6
Earth Manners	331	K-4	1,2,5,6,7	1,3,4			3,4,8	5,6	1,5,8,10	1,2,3,5,7	1,3,7	1,3,6
Energy Sleuths	126	6-8	1,3,4,5,6	1,4			1,2,3,4, 5,7,8	2,3,4,5	1,2,4,5,6, 7,8,9,10	1,2,3,4,5,7	1,2,4,5, 6,7,8	1,3,6
Environmental Exchange Box	61	K-8	1,3,4,5,6,7	1,2,4,5			3,4,8	5,6,7	1,2,3,4,5, 6,8,10	1,3,4,5,7	1,5	1,3,6
Every Drop Counts	122	4-8	1,4,5,6	1,4	1	1,2,3,6	4,7,8	4,6,7	1,2,3,4,5, 6,7,8,10	1,2,3,5,7	1,2,3,4, 5,6,7,8	1,3,5,6
Every Tree for Itself	83	K-8	1,5,6			1,2,3,4,6	1,3,4,8	4,5	4,5,6,8,10	1,3,7	1,3,4,5, 6,7,8	1,6
Field, Forest and Stream	156	1-8	1,4,5,6			1,2,3,6	1,2,3,4, 5,7,8	5,7	1,2,3,4, 5,6,7,8	1,3,7	1,5,7	1,3,6
Forest Consequences	101	6-8	1,2,4,5,6	1,4			3,4,8	1,3,4,5,6,7	1,2,4,5,6, 7,8,10	1,3,4,5,6,7	1,2,3,4, 5,6,7,8	1,2,3,4, 5,6,7

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communication Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Forest for the Trees	247	4-8	1,2,3,5,6	1,4		1,3	3,4,5,8	4,5	5,6,8,10	1,3,5	1,2,3,4,5,6,7,8	1,3,6
Germinating Giants	234	4-6	1,4,5,6			1,2,3,4,5,6	3,4,7,8	5	2,3,4,5,6,7,8,10	1,7	1,2,3,4,5,6	1,6
Get in Touch With Trees	5	K-6	1,3,4,6		1	2	1,3,7		2,3,4,5,6	1,2,3,7	3,5,7	1,4,6
Habitat Pen Pals	18	3-6	1,2,3,4,5,6	1,4			3,4,5	5,7	1,2,4,5,6,8,10	1,3,5,7	3,5	1,6
Have Seeds Will Travel	139	K-2,4-8	1,3,5,6	1,2,4		1,2,6	1,2,3,4,5,7,8		2,3,4,5,6,8,10	1,5,7	1,5,6	1,6
How Big is Your Tree?	239	K-8	1,4,6	1	1	1,2,3,4,5,6	3,4,7	5,7	1,2,3,4,6,8,10	1,7	1,2,3,4,5,6	1,5,6,8
How Plants Grow	135	1-2,4-8	1,4,5,6	1,2,4		1,2,3,4,6	1,3,4,7,8	7	1,2,3,4,5,6,8	1,3,4,5,7	1,2,3,5,6	1,6
I'd Like to Visit a Place Where . . .	188	K-8	1,4,5,6	1,2,4			3,4,8	5,6	1,2,5,6,8,10	1,3,5,7	1,2,3,4,5,6,7,8	1,5,6,8
Improve Your Place	369	5-8	1,4,5,6	1			3,4,5,8	3,4,5,7	1,2,4,8	1,3,4,5,7	1,2,3,4,5,6,7,8	1,3,5,6,7
In the Good Old Days	349	4-8	1,3,4,5,6	1,4			3,4,8	2,3,6,7	1,2,4,5,6,7,8,9	1,2,3,4,5,7	1,5	1,5,6
Life on the Edge	335	4-8	1,3,4,5,6	1,3		1,3,6	1,3,4,8	5,7	1,2,4,5,6,8	1,3,4,5,7	1,2,3,4,5,6,7,8	1,5,6
Living with Fire	311	K-2,4-8	1,3,4,5,6	1,4	4	1,3,6	1,3,4,8	4,7	1,2,3,4,5,6,7,8,10	1,3,5,7	1,2,3,4,5,6,7,8	1,6,7
Looking at Leaves	228	K-8	1,4,6	1,2,3,4,5		2,4	3,4,7,8		3,4,5,6,8,9	1,4,5,7	1,3,5,7	1,6

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communication Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Loving it Too Much	108	6-8	1,2,3,4,5,6		6	1,3,6	3,4,8	1,2,3,4,5,6,7	2,4,5,6,8,9,10	1,2,3,7	1,2,3,4,5,6,7,8	1,2,3,6,7
Make Your Own Paper	176	1-8	1,4,5,6	1,2,3,4			1,8	4	1,2,6	1,5,7	1,3,4,5,8	1,6
Name That Tree	244	2-8	1,3,4,5,6	1,4	4	1,2,4	3,4,7,8	7	2,3,4,5,6,8	1,5,7	1,2,3,4,5,7	1,6
Nature's Recyclers	75	1-6	1,4,5,6	1		1,2,3	1,3,4,7,8	5,7	1,2,3,4,5,6,7,8,10	1,3,5,7	1,3,4,5	1,6
Nothing Succeeds Like Succession	306	3-8	1,2,4,5,6	1,2,4		2,3,6	3,4,8		3,4,5,6,8	1,3,5,7	1,5	1,6
On the Move	185	4-8	1,3,4,6	1,2,4		1,6	1,2,8	2,4,5,6,7	2,4,5,6,8,9,10	1,3,5,7	1,2,3,4,5,6,7,8	1,6,7
Our Changing World	328	5-8	1,3,4,5,6		5,6		1,3,4,5,7,8	5,6,7	1,2,4,6,8	1,3,4,5,7	1,2,3,4,5,6,7,8	1,6,7
Paper Civilizations	359	4-8	1,3,4,5,6,7	1,2,5			1,8	2,4,5,6,7	1,2,4,5,6,8,9	1,3,5,7	4,5,8	1,6
Pass the Plants, Please	50	K-8	1,3,4,5,6	1,4	2,5,6	1,3,6	1,3	5,6,7	1,2,3,4,5,6,8,10	1,3,5,7	3,5,8	1,6,7
People of the Forest	54	5-8	1,3,4,5,6,7	1,4,5			3,4,8	4,5,6	2,4,5,8,9,10	1,3,5,7		3,5,6
People, Places, Things	280	K-3	1,4,5,6	1,4	5,7	3,6	4,8	5,6,7	1,2,3,4,5,6,8,9,10	1,5,7	1,5,8	1,3,6,7
Picture This!	16	K-3	1,4,5,6	1,4		1,3,4,6	3,4	5,6,7	4,5,6,8,10	1,2,3,4,5	5,6	1,6
Planet of Plenty	24	4-6	1,2,4,5,6,7	1,3,4		1,2,3,6	3,4,5,7,8	4,5,7	1,2,3,4,5,6,8,10	1,2,3,4,5,7	1,2,3,4,5,6,7	1,3,6

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communication Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Planning the Ideal Community	191	6-8	1,4,5,6	1		1	4,8	4,5,6,7	1,2,3,4,5,6,8,10	1,3,5,6,7	1,2,3,5,6,7,8	1,3,6,7
Plant a Tree	95	1-8	1,3,4,5,6	1		1	3,4,8	3,4,5,6	1,2,3,4,5,6,7,8,10	1,3,6,7	1,2,3,5,6,7,8	1,3,5,6,8
Poet Tree	13	3-8	1,2,4,5,6,7	1,2,3,4			1,3,4,8	4,5	3,4,5,6,8,9	1,2,3,4,5,7	1,5,7	1
Pollution Search	114	K-6	1,2,4,5,6,7	1,3	1,3,5,6	1,3,6	1,3,4,8	5,6,7	1,3,4,5,6,8,10	1,3,5,7	1,2,3,4,5,6,7,8	1,2,3,6,7
Power of Print	205	3-8	1,2,3,4,5,6,7	1,2,3,4,5		3	3,4,7,8	1,4,5,7	1,2,3,4,5,6,7,8,10	1,2,3,4,5,6,7	1,4,5,6,8	1,3,4,6,7
Publicize It!	209	5-8	1,3,4,5,6	1,2,3,4			3,4,8	3,6,7	1,2,3,4,5,6,7,8,10	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8	1,3,4,5,6
Rain Reasons	88	6-8	1,3,4,5,6,7			1,3,6	1,3,4,5,7,8	5,6,7	1,2,3,4,5,6,7,8,10	1,3,6,7	1,4,5,6	1,6,8
Reduce, Reuse, Recycle	320	4-8	1,4,5,6		6	1,3	1,3,4,7,8	4,6,7	1,2,3,4,8,10	1,3,4,7	1,2,3,4,5,6,7,8	1,2,3,5,6,7
Renewable or Not?	43	4-8	1,3,4,6,7		5	1,3	3,4,8	3,4,5,6	5,6,8,10	3	1,2,3,4,5,6,7,8	1,3,4,5,6,7
Resource-go-Round	316	4-8	1,4,6				1,4,5,8	4,5,7	2,4,5,6,8,10	1,3,7	1,5,8	1,3,6
School Yard Safari	151	K-1,3-6	1,3,4,5,6	1,4	1	6	3,4,7,8		1,2,3,4,5,6,7,8,10	1,3,5,7	1,4,5,6	1,6
Signs of Fall	299	K-6	1,2,4,5,6,7	1,4			3,4,7	6	1,2,3,4,5,6,8,9,10	1,5,7	5,6	1
Soil Stories	252	5-8	1,2,3,4,5,6		2,5	1,2,3,6	2,3,4,7,8	3,4,5,6,7	1,2,3,4,5,6,7,8,10	1,2,5,7	1,2,4,5,6,7,8	1,3,5,6,7

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communication Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Sounds Around	9	K-8	1,2,4,5,6,7	4	1,2,3,5,6	1,2,3,6	1,2,3,4,7,8	3,4,5,6,7	1,2,3,4,5,6,7,8,9,10	1,3,4,5,6,7	1,2,3,4,5,6,7,8	1,2,3,5,6,7
Sunlight and Shades of Green	137	2-8	1,4,5,6	4		2	1,3,4,7		2,3,5,6,8	1,3,4,5,7	5	1,6
Tale of the Sun	56	K-6	1,2,4,5,6,7	1,5			1,3,6		4,5,6,7,9	1,4,7	1,5,6	
Talking Trash, Not!	119	K-6	1,5,6		5,6	1,2,3,6	1,3,4,7,8	3,4,5,6,7	1,2,3,4,5,6,8,10	1,3,7	1,2,3,4,5,6,7,8	1,2,3,5,6,7
The Closer You Look	217	K-6	1,5,6	1,2,4	1,4	2,4	3,4,7,8		1,2,3,4,6,8	1,3,5,7	3,5	1,6
The Fallen Log	72	4-8	1,2,4,5,6	1,4	5,6		1,3,4,8	7	2,3,4,5,6,8	1,3,5,7	5	1,3,5,6,7
The Forest of S. T. Shrew	20	1-6	1,2,4,5,6	2,4			3,4,8	5	1,2,3,4,5,6,8	1,3,5,7	2,4,5	1
The Native Way	343	4-8	1,2,3,4,5,6,7				3,4,8	2,5,6,7	1,2,4,5,6,7,9	1,3,4,7	1,4,5,6,8	3
The Peppermint Beetle	7	K-6	1,3,4,6		1,3		1,3,4,7,8	7	1,2,3,4,5,6,7	1,3	3,5	1,6,7
The Shape of Things	3	K-3	1,5,6	1,2,3,4	1	1,2,4,5,6	3,7		2,3,5,6,8	1,3,5,7	5	1,4,6
Then and Now	131	3-8	1,3,4,5,6,7				3,4,7,8	2,4,5,6,7	1,2,3,4,5,6,7,8,9,10	1,3,4,5,7	3,5,6	1,6
There Ought to Be a Law	201	3-8	1,3,4,5,6	1,4		3	8	1,3,4,5,6,7	1,2,4,5,6,8,9,10	1,2,3,6,7	1,2,3,4,5,6,7,8	1,2,3,4,5,6,7
Three Cheers for Trees	93	1-6	1,4,5,6	1,4			3,4,8	5,6	4,5,6,10	1,3,5,7	8	1,3,6,7
Tipi Talk	282	4-8	1,4,5,6,7	1,2,4	6		1,2,4,8	2,4,5,6	1,2,4,5,6,7,8,9,10	1,3,5,7	3,4,5,6,7,8	1,2,6
To Be a Tree	219	K-4	1,2,5,6	1,2,4	1		3,4,8		3,5,6,8	1,5,7		6

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communication Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Tree Cookies	289	1-8	1,2,4,5,6	1,2,4	1	1,6	3,4,7,8	2,5,6,7	1,2,3,4,5,6,8,10	1,3,5,7	1,5	1,6,8
Tree Factory	223	K-6	1,5,6	1,2,3,4	1,4		1,2,3,4		4,5,6,8,10	1,4,5	4,5	1,6
Tree Lifecycle	302	K-6	1,2,3,4,5,6	1,2,3,4	1,4		3,4,8		1,2,3,4,5,6,8	1,5,7	3,5	1,6
Tree Treasures	35	K-6	1,5,6	1			1,3,7,8	4	1,2,5,6,8	1,2,3,4,5,7	1,3,5	1,4,6
Trees as Habitats	70	K-8	1,4,5,6	1,4		1,3,6	1,3,4,7,8	5	1,2,3,4,5,6,8	1,3,4,5,7	3,5	1,6
Trees for Many Reasons	340	2-8	1,2,4,5,6	1	6		1,3,4,5,7,8	4,5	4,5,6,8,10	1,2,3,4,5,7	1,2,3,4,5,6,7,8	1,2,3,5,6
Trees in Trouble	293	1-8	1,2,3,4,5,6,7	1,4	2,3	2,3,6	3,4,5,7,8	3,5	1,2,3,4,5,6,8,10	1,2,3,5,7	1,2,3,4,5,6,7	1,5,6
Tropical Treehouse	160	K-8	1,3,4,5,6,7	1,4	3	3,6	1,3,4,8	1,2,3,4,5,6,7	1,2,3,4,5,6,7,8,9,10	1,3,4,5,7	1,2,4,5,6,7,8	1,2,3,4,6,7
Values on the Line	58	6-8	1,3,5,6		6	1,2,6	3,4,8	3,4,5,7	5,6,8,10	1,3	5,6	1,2,3,6
Waste Watchers	274	5-8	1,3,4,5,6	1,4		1,2,3,6	1,4,7,8	4,7	1,2,3,4,5,6,7,8,10	1,3,5,6,7	1,2,3,4,5,6,7,8	1,3,5,6,7
Watch on Wetlands	258	7-8	1,3,4,5,6	1,4		1,3,4,6	3,4,5,7,8	3,4,5,6,7	1,2,3,6,8,10	1,3,5,7	1,2,3,4,5,6,7,8	1,3,6
Water Wonders	142	4-8	1,2,3,4,5,6				1,2,3,4,5,7,8	5,7	2,3,4,5,6,8,10	1,3,4,7	1,5,6,7,8	1,6
We All Need Trees	39	4-6	1,3,4,5,6		3		1,3,4,7,8	5,6	1,2,5,6,7,8,9,10	1,2,3,7	2,5,8	1,3,5,6,7

Activity	Page No.	Grade Level	Content Standards						Performance Standards				
			Communication Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4	
We Can Work it Out	193	5-8	1,2,4,5,6					3,4,8	1,3,4,5,6,7	1,2,3,4,5,6,7,8,9,10	1,2,3,5,7	1,2,3,4,5,6,7,8	1,2,3,5,6,7
Web of Life	148	4-8	1,3,4,5,6	1,4				1,3,4,5,7,8	5,7	1,2,3,4,5,6,8	1,3,4,5	1,4,5,6	1,6
Where Are the Cedars of Lebanon?	362	6-8	1,3,4,5,6,7	1,2,4				1,3,4,5,8	2,3,4,5,6,7	1,2,4,5,8,9	1,2,3,4,5,7	1,2,4,5,6,8	1,3,6
Who Works in this Forest?	105	3-6	1,2,3,4,5,6,7	1,4				3,4,8	4,5,6	2,4,5,6,8,10	1,3,5,7	5	1,3,6,8

Correlation of PLT's Secondary Introductory Module to the Show-Me Standards

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communi- cation Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
400-Acre Wood	42	7-12	1,3,4,5,6	1		1,2,3,4,5,6	3,4,8	1,3,4,5,6,7	4,5,6, 7,8,10	1,2,3,5,6,7	1,2,3,4, 5,6,7,8	1,3,4,5,6,7
A Look at Lifestyles	70	7-12	1,2,3,4, 5,6,7	1,4,5			3,4,8	2,4,5,6,7	1,2,4,5, 6,8,9	1,3,4,5,7	1,2,4,5,6,7	1,3,6
Democracy in Action	50	7-12	1,3,4,5,6	1,2,3,5			4,8	1,2,3,6,7	1,2,3,4,5, 6,8,10	1,3,4,5,6,7	1,4,5,6	1,2,3,4,6
Energy Sleuths	36	7-12	1,3,4,5,6	1,4			1,2,3,4, 5,7,8	2,3,4,5	1,2,4,5,6, 7,8,9,10	1,2,3,4,5,7	1,2,4,5, 6,7,8	1,3,6
Environmental Exchange Box	32	7-12	1,3,4,5,6,7	1,2,4,5			3,4,8	5,6,7	1,2,3,4,5, 6,8,10	1,3,4,5,7	1,5	1,3,6
Improve Your Place	77	7-12	1,4,5,6	1			3,4,5,8	3,4,5,7	1,2,4,8	1,3,4,5,7	1,2,3,4, 5,6,7,8	1,3,5,6,7
Renewable or Not?	26	7-12	1,3,4,6,7		5	1,3	3,4,8	3,4,5,6	5,6,8,10	3	1,2,3,4, 5,6,7,8	1,3,4,5,6,7
Trees as Habitats	34	7-12	1,4,5,6	1,4		1,3,6	1,3,4,7,8	5	1,2,3,4, 5,6,8	1,3,4,5,7	3,5	1,6
Waste Watchers	63	7-12	1,3,4,5,6	1,4		1,2,3,6	1,4,7,8	4,7	1,2,3,4,5, 6,7,8,10	1,3,5,6,7	1,2,3,4, 5,6,7,8	1,3,5,6,7
Watch on Wetlands	54	7-12	1,3,4,5,6	1,4		1,3,4,6	3,4,5,7,8	3,4,5,6,7	1,2,3, 6,8,10	1,3,5,7	1,2,3,4, 5,6,7,8	1,3,6

Correlation of the PLT Focus on Forests Module to the Show-Me Standards

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communi- cation Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Balancing America's Forests	34	7-12	3,5,6				4	3,4,5,6	1,5,7,10	3		2
Old-Growth Forests	17	7-12	1,3,4,5,6	1		3	3,4,7,8	4,7	1,2,4,5,7,8	1,2,3,5,7	1,5	1,6
Squirrels vs. Scopes	37	7-12	3,5,6				4,8	3,6	5,6,7,9,10	3	1,6,8	1
Take Action!	47	7-12	1,3,4,5,6	4			3,4,8	3,6,7	1,2,4	3,5	1,2,4,6,7	3,5,6
Tough Choices	22	7-12	3,4,6		3,6		3,4,8	3,5,6,7	2,4,5,7,10	1,3	1,2,3,4,6,8	1,3,6
What's a Forest to You?	14	7-12	1,3,4,6			1,3	3,7,8	7	1,2,3,6,8	1,2,4		6
Who Owns America's Forests?	30	7-12	1,3,4,6			3,5	3,4,8	2,4,5,7	2,4,5,8	1		5,6,8
Words to Live By	42	7-12	1,2,3,4, 5,6,7	4			8	2,5,6	2,4,5,9,10	1,3,4	6	1,6

Correlation of the PLT Forest Ecology Module to the Show-Me Standards

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communi- cation Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Adopt-a-Forest	16	7-12	1,2,4,6	4		2,6	3,4,8	5,7	1,2,3,4,8	1,7	2,5	6,7
Cast of Thousands	27	7-12	1,3,4			2,4,6	3,4,7,8	2,7	1,2,3,4,6,8	1	2,5	5,6
Fire Management	96	7-12	1,3,4,5,6		6		3,4,8	2,5	2,4,5,6,8	1,3,4,7	1,2,3,5,6,8	1,7
Home Sweet Home	59	7-12	3,4,6				3,4,7,8	5	2,3	1,5,7	1,2,5,6	1,6
Saga of the Gypsy Moth	63	7-12	1,3,4,5,6		6	1	3,4,8	4,5	2,4,5,7	1,3,7	1,2,4,6,7,8	1,6
Story of Succession	71	7-12	1,3,4,6	1,4		1,2,3,6	3,4,7,8	2,5,7	2,3,5,6,8	1,5,7	5	6
The Nature of Plants	50	7-12	1,3,4	4		3	3,4,7,8	5	1,2,3,4,6,8	1	1,2,5	6
Understanding Fire	82	7-12	1,3,4,5,6	1,4	6,7	1,2,4	1,3,4,5,8	3,7	2,4,5,10	1,3,5	1,2,4,5,6,8	6,7

Correlation of the PLT Municipal Solid Waste Module to the Show-Me Standards

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communication Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Composting	61	7-12	1,3,4,6			2,6	1,3,4,7,8	5	2,3,6,8	5,7	2,3,7,8	5,6
Landfills	87	7-12	1,3,4		6		4,5,7,8	5	1,2,3,5,6	1,3	1,2,6,7,8	1,6,7
Recycling and Economics	42	7-12	4,6			1,3,4,6	4,8	2,4,7	2,3,4,6,8,9	1	1,2,6,7,8	1,3
Source Reduction	29	7-12	1,4,5,6	4	2,6	4	4,7,8	4,7	2,3,4,6,8	1,3,5,7	1,2,6,7,8	1,3,6,7
Success Stories and Personal Choices	106	7-12	1,3,4,6	1		1,2,3	7,8	3,6,7	1,2,3,4,5,6,8	1,2,7	2,3,5,6,7,8	1,3,5,6
The Waste Stream	16	7-12	3,4,5,6	1,5	6	1,2,3	7,8	2,5,6,7	2,3,4,5,6,8,9	1,3,5	1,2,6,8	3,6,7
Waste-to-Energy	75	7-12	1,3,4,6	1,4,5	6	3,6	1,4,8	3,4,5,7	2,5,6,8,10	1,3,5	2,3,4,6,7,8	1,6,7
Where Does Your Garbage Go?	98	7-12	1,3,4,5,6	1,4		3,6	4,5,8	2,4,5,7	1,2,4,5,8	1,7	2,3,6,8	1,3,6

Correlation of the PLT Risk Assessment Module to the Show-Me Standards

Activity	Page No.	Grade Level	Content Standards						Performance Standards			
			Communi- cation Arts	Fine Arts	Health & PE	Math	Science	Social Studies	Goal 1	Goal 2	Goal 3	Goal 4
Chances Are . . . Understanding Probability and Risk	33	7-12	1,4		5	3,5,6	7,8	7	2,5,6,7,8	1,3	3	1,6
Communicating Risk	61	7-12	1,3,4,6,7		2,5,6	1,3,6	4,8	7	1,2,4,5, 7,8,10	1,2,3,7	1,2,3,4, 5,6,7,8	1,3,6,7
Decision Making: Ecological Risk, Wildfires and Natural Hazards	92	7-12	1,3,4,5,6	1,4	5,6,7	3	3,4,5,8	4,5,7	1,2,4, 5,8,10	1,4,5,7	1,2,4,5, 6,7,8	1,6
Risk Assessment: Tools of the Trade	46	7-12	1,3,4,5,6		5,6	3,6	7,8	6,7	2,5,6,7	1,3	1,2,4,5, 6,7,8	1,6
Taking Action: Reducing Risk in Your School . . .	174	7-12	1,3,4,6		5,6	3	4,8	4	1,2,4, 5,8,10	1,3	1,2,3,4, 6,7,8	1,3,5,6,7
Things Aren't Always What They Seem	21	7-12	1,3,4,6	1,4,5	5,6	3,6	8	6,7	2,4,5,6, 8,9,10	1,3,4,5,7	5	1,6,7
Weighing the Options: A Look at Tradeoffs	81	7-12	1,3,4,5,6		2,6	3	3,4,8	4	5,6,8,10	1,2,3	1,2,6,7,8	1,3,6
What is Risk?	13	7-12	1,4,5,6	1	2,5,6	3	8	6	6,8,10	1,4,5	1	1,6,7

Other Resources

Web Resources:

National Project Learning Tree	www.plt.org
National Project WILD	www.projectwild.org
National Project WET	www.montana.edu/wwwwet
Missouri Project Learning Tree	www.conservation.state.mo.us/forest/learntre.html
Missouri Project WILD	www.conservation.state.mo.us/teacher/wild/
Missouri Project WET	www.dnr.state.mo.us/deq/tap/hometap/wetww.htm
Show-Me Standards	www.dese.state.mo.us/edinit.html

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Office of Environmental Education
Missouri Department of Conservation
P.O. Box 180
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For information about state parks, energy conservation, recycling, air and water quality, geology and related environmental education, contact:

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