

Michigan Project Learning Tree PreK-8 Guide Michigan Grade Level Content Expectations – Science X = Addresses/Supports	1. The Shape of Things	2. Get In Touch with Trees	3. Peppermint Beetle	4. Sounds Around	5. Poet-Tree	6. Picture This!	7. Habitat Pen Pals	8. The Forest of S.T. Shrew	9. Planet Diversity	10. Charting Diversity	11. Can It Be Real?	12. Invasive Species	13. We All Need Trees	14. Renewable or Not?	15. A Few of My Favorite Things	16. Pass the Plants, Please	17. People of the Forest	18. Tale of the Sun
GRADE 2																		
S.IP.E.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.																		
S.IP.02.11 Make purposeful observation of the natural world using the appropriate senses.	X	X	X	X		X						X			X	X		
S.IP.02.12 Generate questions based on observations.	X	X	X	X		X						X			X	X		
S.IP.02.13 Plan and conduct simple investigations.																		
S.IP.02.14 Manipulate simple tools (ruler, meter stick, measuring cups, hand lens, thermometer, balance) that aid observation and data collection.	X			X														
S.IP.02.15 Make accurate measurements with appropriate units (meter, centimeter) for the measurement tool.				X														
S.IP.02.16 Construct simple charts and graphs from data and observations.				X												X		
S.IA.E.1 Inquiry includes an analysis and presentation of findings that lead to future questions, research, and investigations.																		
S.IA.02.12 Share ideas about science through purposeful conversation.	X	X	X	X		X		X				X			X	X		X
S.IA.02.13 Communicate and present findings of observations.	X	X	X	X		X		X				X			X	X		
S.IA.02.14 Develop strategies and skills for information gathering and problem solving (books, internet, ask an expert, observation, investigation, technology tools).	X	X		X									X	X	X			X

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<p>P.PM.E.1 Physical Properties- All objects and substances have physical properties that can be measured.</p>																		
<p>P.PM.02.12 Describe objects and substances according to their properties (color, size, shape, texture, hardness, liquid or solid, sinking or floating).</p>	X	X				X									X			
<p>L.OL.E.2 Life Cycles- Plants and animals have life cycles. Both plants and animals begin life and develop into adults, reproduce, and eventually die. The details of this life cycle are different for different organisms.</p>																		
<p>L.OL.02.22 Describe the life cycle of familiar flowering plants including the following stages: seed, plant, flower, and fruit.</p>																X		

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GRADE 2																		
S.I.P.E.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.																		
S.IP.02.11 Make purposeful observation of the natural world using the appropriate senses.			X	X		X	X		X			X	X	X				X
S.IP.02.12 Generate questions based on observations.			X	X		X	X		X			X	X	X				X
S.IP.02.13 Plan and conduct simple investigations.						X												
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S.IP.02.16 Construct simple charts and graphs from data and observations.		X	X	X		X	X											X
S.IA.E.1 Inquiry includes an analysis and presentation of findings that lead to future questions, research, and investigations.																		
S.IA.02.12 Share ideas about science through purposeful conversation.		X	X	X		X	X		X			X	X	X				X
S.IA.02.13 Communicate and present findings of observations.		X	X	X		X	X											X
S.IA.02.14 Develop strategies and skills for information gathering and problem solving (books, internet, ask an expert, observation, investigation, technology tools).		X	X	X		X							X					X
L.OL.E.1 Life Requirements- Organisms have basic needs. Animals and plants need air, water, and food. Plants also require light. Plants and animals use food as a source of energy and as																		

and eventually die. The details of this life cycle are different for different organisms.																		
L.OL.02.22 Describe the life cycle of familiar flowering plants including the following stages: seed, plant, flower, and fruit.							X											

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S.IP.E.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.																		
S.IP.02.11 Make purposeful observation of the natural world using the appropriate senses.	X						X	X	X	X	X		X	X		X		
S.IP.02.12 Generate questions based on observations.	X						X	X	X	X	X		X	X		X		
S.IP.02.13 Plan and conduct simple investigations.																X		
S.IP.02.14 Manipulate simple tools (ruler, meter stick, measuring cups, hand lens, thermometer, balance) that aid observation and data collection.											X		X					
S.IP.02.15 Make accurate measurements with appropriate units (meter, centimeter) for the measurement tool.											X		X					
S.IP.02.16 Construct simple charts and graphs from data and observations.							X			X						X		
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S.IA.02.12 Share ideas about science through purposeful conversation.	X						X	X	X	X	X		X	X		X		
S.IA.02.13 Communicate and present findings of observations.										X								
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	91. In The Good Old Days	92. A Look at Lifestyles	93. Paper Civilizations	94. By The Rivers of Babylon	95. Did You Notice?	96. Improve Your Place
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S.IP.E.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.						
S.IP.02.11 Make purposeful observation of the natural world using the appropriate senses.					X	
S.IP.02.12 Generate questions based on observations.					X	
S.IP.02.16 Construct simple charts and graphs from data and observations.					X	
S.IA.E.1 Inquiry includes an analysis and presentation of findings that lead to future questions, research, and investigations.						
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