

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 Kindergarten																		
S.IP.E.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.																		
S.IP.00.11 Make purposeful observation of the natural world using the appropriate senses.	X	X	X	X												X		X
S.IP.00.12 Generate questions based on observations.	X	X	X	X												X		X
S.IP.00.13 Plan and conduct simple investigations.																		
S.IP.00.14 Manipulate simple tools (for example: hand lens, pencils, balances, non-standard objects for measurement) that aid observation and data collection.	X			X														
S.IP.00.16 Construct simple charts 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.																		
S.IA.00.12 Share ideas about science through purposeful conversation.	X	X	X	X		X						X				X		X
S.IA.00.13 Communicate and present findings of observations.		X	X	X		X						X				X		
S.IA.00.14 Develop strategies for information gathering (ask an expert, use a book, make observations, conduct simple investigations, and watch a video).	X	X										X				X		X

Michigan Project Learning Tree PreK-8 Guide Michigan Grade Level Content Expectations – Science X = Addresses/Supports	55. Planning the Ideal Community	56. We Can Work It Out	57. Democracy in Action	58. There Ought to Be a Law	59. Power of Print	60. Publicize It!	61. The Closer You Look	62. To Be a Tree	63. Tree Factory	64. Looking at Leaves	65. Bursting Buds	66. Germinating Giants	67. How Big Is Your Tree?	68. Name that Tree	69. Forest for the Trees	70. Soil Stories	71. Watch on Wetlands	72. Air We Breathe	
S.RS.00.11 Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.								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 a source of building material for growth and repair.																			
L.OL.00.11 Identify that living things have basic needs.	X							X								X			
E.SE.E.1 Earth Materials- Earth materials that occur in nature include rocks, minerals, soils, water, and the gases of the atmosphere. Some Earth materials have properties which sustain plant and animal life.																			
E.SE.00.11 Identify Earth materials (air, water, soil) that are used to grow plants.																X			

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GRADE Kindergarten																		
S.IP.E.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.																		
S.IP.00.11 Make purposeful observation of the natural world using the appropriate senses.		X				X	X		X						X			

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S.IP.00.12 Generate questions based on observations.		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.00.12 Share ideas about science through purposeful conversation.		X				X	X		X						X			
S.IA.00.13 Communicate and present findings of observations.																		
S.RS.E.1 Reflecting on knowledge is the application of scientific knowledge to new and different situations. Reflecting on knowledge requires careful analysis of evidence that guides decision making and the application of science throughout history and within society.																		
S.RS.00.11 Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.									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 a source of building material for growth and repair.																		
L.OL.00.12 Identify and compare living and nonliving things.															X			

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GRADE Kindergarten						
S.IP.E.1 Inquiry involves generating questions, conducting investigations, and developing solutions to problems through reasoning and observation.						
S.IP.00.11 Make purposeful observation of the natural world using the appropriate senses.					X	
S.IP.00.12 Generate questions based on observations.					X	
S.IA.E.1 Inquiry includes an analysis and presentation of findings that lead to future questions, research, and investigations.						
S.IA.00.12 Share ideas about science through purposeful conversation.					X	
S.RS.E.1 Reflecting on knowledge is the application of scientific knowledge to new and different situations. Reflecting on knowledge requires careful analysis of evidence that guides decision making and the application of science throughout history and within society.						
S.RS.00.11 Demonstrate scientific concepts through various illustrations, performances, models, exhibits, and activities.					X	