

Middle, 6-8 TN SWEP Instructional Materials, Correlation to Tennessee State Science Learning Expectations

TN SWEP Activity	TN State Science Learning Expectation Grade Level	3.1 (6-8)	10.3 (6-8)	10.4 (6-8)	10.5 (6-8)	12.1 (6-8)	12.2 (6-8)	13.2 (6-8)	14.4 (6-8)
M.a	What is Solid Waste?		c						
M.b	Reducing Product Toxicity		c			c	c	c	
M.c	History of Solid Waste		c						
M.d	Natural Resources			c					c
M.e	Renewable vs. Nonrenewable Natural Resources				c				
M.f	The Components of Solid Waste		c		c				
M.g	Natural Resources and Scarcity		c		c				
M.h	Waste Disposal and Management		c		c				c
M.i	The Role of Government		c						
M.j	What Can Industry Do?		c						
M.k	Is My Business Your Business?				c				
M.l	Waste in Your Community				c				
M.m	Ups and Downs of Trash				c				
M.n	Not in My Backyard: Siting a Resource Recovery Facility		c		c				
M.o	Source Reduction				c				
M.p	Certain Types of Waste Can Be Reused								
M.q	Recycling								
M.r	The Recycling Process/Waste Life Cycle		c	c	c				c
M.s	Composting		c						
M.t	Principles of Composting	c							
M.u	Waste-to-Energy Incineration		c						
M.v	Landfills		c						
M.w	Integrated Solid Waste Management		c						
M.x	Old Cell Phones								
M.y	E-cycling								
M.z	Backyard Burning		c						

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Number (grade levels)	<b>TN Standard</b> Learning Expectation	NOTES
3.1 (6-8)	<b>Food Production and Energy for Life</b> Recognize relationships with food chains.	
10.3 (6-8)	<b>Earth Resources</b> Investigate how human activities effect earth's land, oceans, and atmosphere.	
10.4 (6-8)	<b>Earth Resources</b> <i>Examine various types of energy resources and their importance to man.</i>	
10.5 (6-8)	<b>Earth Resources</b> Analyze approaches to conserving energy and natural resources.	
12.1 (6-8)	<b>Structure and Properties of Matter</b> Distinguish among elements, compounds and mixtures.	
12.2 (6-8)	<b>Structure and Properties of Matter</b> Identify and measure simple properties of common substances.	
13.2 (6-8)	<b>Interactions of Matter</b> Differentiate between physical and chemical changes.	
14.4 (6-8)	<b>Energy</b> Understand that one form of energy can be transformed into another form of energy.	