



Project Learning Tree's ***Exploring  
Environmental Issues: Municipal  
Solid Waste***

Correlation to the California  
Content Standards for  
History-Social Science,  
English-Language Arts,  
Mathematics, and Science  
(Organized by Activity)  
Grades 6–12

August 2002

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**The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, Flex Your Power and visit [www.consumerenergycenter.org/flex/index.html](http://www.consumerenergycenter.org/flex/index.html).**

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Material in these tables, except for Project Learning Tree correlations, is extracted from the following documents published by the California State Board of Education:

*History-Social Science Content Standards for California Public Schools, Kindergarten Through Grade Twelve*

*English-Language Arts Content Standards for California Public Schools, Kindergarten Through Grade Twelve*

*Mathematics Content Standards for California Public Schools, Kindergarten Through Grade Twelve*

*Science Content Standards for California Public Schools, Kindergarten Through Grade Twelve*

For more information about this and other Project Learning Tree curricula, contact the American Forest Foundation, 1111 19th Street, NW, Suite 780, Washington, D.C. 20036, (202) 463-2462 (Web site: [www.plt.org](http://www.plt.org)). In California, call Kay Antunez, (916) 653-7958 (e-mail: [kay.Antunez@fire.ca.gov](mailto:kay.Antunez@fire.ca.gov)).

For training workshops on Project Learning Tree's *Exploring Environmental Issues: Municipal Solid Waste*, contact the California Integrated Waste Management Board's Office of Integrated Environmental Education at (916) 341-6769.

**Project Learning Tree's *Exploring Environmental Issues: Municipal Solid Waste*—  
Correlations to California State Content Standards Organized by Activity**

**Elementary/Middle Level, Grades 6–8**

<b>Activity</b>	<b>Grade</b>	<b>English-Language Arts</b>	<b>History-Social Science</b>	<b>Mathematics</b>	<b>Science</b>
<b>#1 Introduction to Municipal Solid Waste: The Waste Stream</b>	<b>6</b>	R2.1, R2.3 W1.1 LS1.5, LS2.2, LS2.5	6.1.2 6.2.1	NS1.4 A1.1 S2.2 MR2.2, MR2.4	6b, 6c
	<b>7</b>	W2.5 LS1.4, LS2.2		NS1.6 A1.5 MG1.1, MG2.3 MR2.5	
	<b>8</b>	LS1.3, LS2.3	8.4.4 8.6.1 8.12.5	A10.0	
<b>#2 Source Reduction</b>	<b>6</b>	LS1.4, LS1.5, LS1.6, LS2.4, LS2.5			6c
	<b>7</b>	R2.2 LS1.5, LS2.4			
	<b>8</b>	LS2.4			
<b>#3 Recycling and Economics</b>	<b>6</b>			NS1.4, NS2.3 A1.1, A1.2, A2.1, A2.2, A2.3 S2.1, S2.2, S3.2 MR1.1, MR2.4	6a, 6b
	<b>7</b>			A4.2 S1.2 MR1.1, MR2.6	
	<b>8</b>			A10.0, A15.0 PS8.0 APPS14.0	

**Abbreviations**

English-Language Arts: R=Reading; W=Writing; LC=Language Conventions; LS=Listening/Speaking

Mathematics: NS=Number Sense; A=Algebra; MG=Measurement/Geometry; PS= Probability and Statistics; S=Statistics/Data Analysis; MR=Mathematical Reasoning

Activity	Grade	English-Language Arts	History-Social Science	Mathematics	Science
<b>#4 Composting</b>	6				5a, 5b 7b, 7c, 7e
	7	R1.3			7a, 7c
	8	R1.3			5a, 5c, 5e 9e
<b>#5 Waste-to-Energy</b>	6	R2.2, R2.3 LS1.4, LS1.5, LS1.6, LS1.7, LS2.2, LS2.4			3b 6a
	7	R2.2, R2.3 LS1.1, LS1.4, LS1.5, LS1.6, LS2.4			
	8	R2.2 LS1.3, LS1.4, LS2.4			
<b>#6 Landfills</b>	6	LS1.4, LS1.5, LS2.5			7a, 7b
	7	LS1.4, LS2.4			7a
	8	LS2.4			
<b>#7 Where Does Your Garbage Go?</b>	6	R2.4 W1.1, W2.3		NS1.2, NS2.3 A2.2, A2.3 MR1.1	6c 7c, 7d
	7	R2.2 W1.2, W1.4, W1.6, W2.3		MR1.1	7b, 7e
	8	W1.5, W2.3, W2.6		PS8.0 APPS14.0	9e
<b>#8 Take Action: Success Stories and Personal Choices</b>	6	W1.1		S2.5 MR1.1	6c 7a, 7b, 7c, 7d, 7e
	7	W1.4, W1.6		MR1.1	7a, 7c, 7e
	8	W1.5		A10.0 PS8.0 APPS14.0	9a, 9e

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Correlations to California State Content Standards Organized by Activity**

**Secondary Level, Grades 9–12**

Activity	Grade	English-Language Arts	History-Social Science	Mathematics	Science
<b>#1 Introduction to Municipal Solid Waste: The Waste Stream</b>	9	R2.5 LS2.2		A10.0	
	10	R2.5 LS2.2	10.3.3	A10.0	
	11		11.2.1	A10.0	
	12			A10.0	
<b>#2 Source Reduction</b>	9	W1.3, W2.5 LS1.1, LS1.6, LS1.7, LS2.5			I1m
	10	W1.3, W2.5 LS1.1, LS1.6, LS1.7, LS2.5			I1m
	11	R2.3 W1.6 LS1.1, LS1.3, LS1.6, LS1.8			I1m
	12	R2.3 W1.6 LS1.1, LS1.3, LS1.6, LS1.8	E12.1.1, E12.1.3 E12.2.1		I1m
<b>#3 Recycling and Economics</b>	9			A10.0, A15.0 PS8.0 APPS14.0	I1a, I1m
	10			A10.0, A15.0 PS8.0 APPS14.0	I1a, I1m
	11			A10.0, A15.0 PS8.0 APPS14.0	I1a, I1m
	12			A10.0, A15.0 PS8.0 APPS14.0	I1a, I1m

**Abbreviations**

History/Social Science: AD=Principles of American Democracy; E=Principles of Economics

Language Arts: R=Reading; W=Writing; LS=Listening /Speaking

Mathematics: A=Algebra; PS=Probability and Statistics; APPS=Advanced Placement Probability and Statistics

Science: C=Chemistry; B=Biology/Life Sciences; I=Investigation and Experimentation

Activity	Grade	English-Language Arts	History-Social Science	Mathematics	Science
<b>#4 Composting</b>	<b>9</b>				C7b B6d, B6e, B6f I1a, I1c, I1d
	<b>10</b>				C7b B6d, B6e, B6f I1a, I1c, I1d
	<b>11</b>				C7b B6d, B6e, B6f I1a, I1c, I1d
	<b>12</b>				C7b B6d, B6e, B6f I1a, I1c, I1d
<b>#5 Waste-to-Energy</b>	<b>9</b>	R2.3, R2.4, R2.5 W1.3, W1.5 LS1.5, LS1.6, LS1.7, LS2.5			I1m
	<b>10</b>	R2.3, R2.4, R2.5 W1.3, W1.5 LS1.5, LS1.6, LS1.7, LS2.5			I1m
	<b>11</b>	R2.3, R2.6 W1.6 LS1.6, LS1.8, LS2.4	11.11.5		I1m
	<b>12</b>	R2.3, R2.6 W1.6 LS1.6, LS1.8, LS2.4	AD12.2.4, AD12.3.1, AD12.3.2 E12.1.1, E12.1.3, E12.2.10, E12.3.1		I1m
<b>#6 Landfills</b>	<b>9</b>	LS1.3, LS1.5, LS1.6, LS2.2, LS2.5		PS8.0 APPS14.0	I1d, I1l, I1m
	<b>10</b>	LS1.3, LS1.5, LS1.6, LS2.2, LS2.5		PS8.0 APPS14.0	I1d, I1l, I1m
	<b>11</b>	LS1.6, LS1.8	11.11.5	PS8.0 APPS14.0	I1d, I1l, I1m
	<b>12</b>	LS1.6, LS1.8	E12.1.1, E12.1.3, E12.2.10, E12.3.1	PS8.0 APPS14.0	I1d, I1l, I1m

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Science: C=Chemistry; B=Biology/Life Sciences; I=Investigation and Experimentation



Activity	Grade	English-Language Arts	History-Social Science	Mathematics	Science
<b>#7 Where Does Your Garbage Go?</b>	<b>9</b>	W1.3, W1.5, W2.3		PS8.0 APPS14.0	l1d, l1l, l1m
	<b>10</b>	W1.3, W1.5, W2.3		PS8.0 APPS14.0	l1d, l1l, l1m
	<b>11</b>	W1.6, W1.7, W1.8		PS8.0 APPS14.0	l1d, l1l, l1m
	<b>12</b>	W1.6, W1.7, W1.8		PS8.0 APPS14.0	l1d, l1l, l1m
<b>#8 Take Action: Success Stories and Personal Choices</b>	<b>9</b>			A10	l1a, l1d, l1f, l1l, l1m
	<b>10</b>			A10	l1a, l1d, l1f, l1l, l1m
	<b>11</b>		11.11.5	A10	l1a, l1d, l1f, l1l, l1m
	<b>12</b>		AD12.2.4, AD12.3.1, AD12.3.2 E12.1.1, E12.1.2, E12.1.3	A10	l1a, l1d, l1f, l1l, l1m

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