

Project Learning Tree
Exploring Environmental Issues: Municipal Solid Waste
Arkansas Curriculum Frameworks Correlations

Correlated to the following frameworks:

Subject	Date Revised	Date Correlated
Agriculture Agriculture Graphics Agriculture Structural Systems Agriculture Science and Technology Environmental Resources: Soil and Water	NA 2007 2006 2005	June 2009 June 2009 June 2009 June 2009
Algebra I	2004 Amended 2006	June 2009
Algebra II	2004 Amended 2006	June 2009
Biology	2005	June 2009
Chemistry	2005	June 2009
Environmental Science	2005	June 2009
Fine Arts/Visual Arts	2008	June 2009
Geometry	2004 Amended 2006	June 2009
Language Arts	2003 Amended 2006	June 2009
Math Algebra I Algebra II Geometry	2004	June 2009
Skilled and Technical Sciences Carpentry Drafting and Design	2006 2007	June 2009 June 2009
Social Studies/American Government	2006	June 2009
Social Studies/American History	2006	June 2009
Social Studies/Contemporary US History	2006	June 2009
Social Studies/Economics	2006	June 2009
Social Studies/Sociology	2006	June 2009

Lesson 1: Introduction to Municipal Solid Waste: The Waste Stream

Environmental Education	Social Studies/ American Government	Social Studies/ Contemporary US History	Social Studies/ Sociology	Social Studies/ American History	Math Algebra I Algebra II Geometry	Fine Arts/ Visual Arts	Chemistry	Biology	Agriculture	Skilled and Technical Sciences	Economics	Language Arts
SP.3.ES.2 SP.3.ES.5 SP.3.ES.10 NS.4.ES.1 NS.4.ES.3	SLG.10.AG.3	E.7.CH.3	SI.2.S.1 CS.2.S.1 SI.6.S.1	IN.7.AH.5	SEI.2.A1.5 DIP.5.A1.5 M.3.G.3 M.3.G.4 M.3.G.2	NA	NA	NA	NA	NA	NA	OV.1.9.2 OV.1.10.2 OV.1.11.1 OV.12.1 W.5.9.9 W.5.10.9 W.5.11.9 W.5.12.9 R.10.9.1 R.10.10.1 R.10.11.1 R.10.12.1 R.11.9.1-3 R.11.10.1-3 R.11.11.1-3 R.11.12.1-3 IR.12.9.2 IR.12.10.2 IR.12.11.2 IR.12.12.2

Lesson 2: Source Reduction

Environmental Education	Social Studies/ American Government	Social Studies/ Contemporary US History	Social Studies/ Sociology	Social Studies/ American History	Math Algebra I Algebra II Geometry	Fine Arts/ Visual Arts	Chemistry	Biology	Agriculture	Skilled and Technical Sciences	Economics	Language Arts
PD.1.ES.19 SP.3.ES.2 SP.3.ES.5 SP.3.ES.7	SLG.10.AG.3	E.7.CH.3	NA	NA	NA	F.1.AI.1-6 F.2.AI.1-7 F.3.AI.2 CP.4.AI.2	NA	NA	NA	NA	NA	NA

SP.3.ES.9 SP.3.ES.10 NS.4.ES.10 NS.5.ES.3						CP.4.AI.6 CP.4.AI.10 RR.5.AI.2 RR.5.AI.4 RR.5.AI.5 CP.1.AII.2 CP.1.AII.7 CP.1.AII.11 CP.1.AII.16 RR.2.AII.2 RR.2.AII.3 RR.2.AII.4 RR.2.AII.5 CP.1.AIII.2 CP.1.AII.7 CP.1.AIII.11 CP.1.AII.16 RR.2.AIII.3 RR.2.AIII.4 RR.2.AIII.5 CP.1.AIV.2 CP.1.AIV.3 RR.2.AIV.1 RR.2.AIV.2					
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Lesson 3: Recycling and Economics

Environmental Education	Social Studies/ American Government	Social Studies/ Contemporary US History	Social Studies/ Sociology	Social Studies/ American History	Math Algebra I Algebra II Geometry	Fine Arts/ Visual Arts	Chemistry	Biology	Agriculture	Skilled and Technical Sciences	Economics	Language Arts
SP.3.ES.3 SP.3.ES.6 SP.3.ES.9 SP.3.ES.10 SP.3.ES.11 NS.4.ES.1 NS.5.ES.3	SLG.10.AG.3	E.7.CH.3	SI.6.S.1	NA	SEI.2.A1.8 IP.5.A1.1 DIP.5.A1.5 DIP.5.A1.8 DIP.5.A1.1 DIP.5.A1.11 RF.1.A11.3	NA	NA	NA	NA	NA	EF.1.E.2 EF.1.E.3 EF.1.E.5 EF.2.E.1 EF.2.E.2 MI.4.E.1 MI.4.E.2	NA

												MI.4.E.4 MI.4.E.5 MI.7.E.3 MA.8.E.1 MA.8.E.2	
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Lesson 4: Composting

Environmental Education	Social Studies/ American Government	Social Studies/ Contemporary US History	Social Studies/ Sociology	Social Studies/ American History	Math Algebra I Algebra II Geometry	Fine Arts/ Visual Arts	Chemistry	Biology	Agriculture	Skilled and Technical Sciences	Economics	Language Arts
PD.1.ES.19 SP.3.ES.2 SP.3.ES.5 SP.3.ES.6 SP.3.ES.7 SP.3.ES.9 SP.3.ES.10 SP.3.ES.11 NS.4.ES.1 NS.4.ES.2 NS.4.ES.3	NA	NA	NA	NA	NA	F.3.AI.2 CP.4.AI.2 CP.4.AI.6 CP.4.AI.10 CP.1.AII.2 CP.1.A.II.6C P.1.AII.7 CP.1.AII.11 CP.1.AII.16 PP.2.AII.4 CP.1.AIII.6 CP.2.AIII.11 CP.2.AIII.16 RR.2.AIII.4		EBR.I.B.1 EBR.8.B.3 EBR.9.B.1 EBR.9.B.2 MC.3.B.3 NS.11.B.1 NS.11.B.2 NS.11.B.3 NS.11.B.4 NS.11.B.5 NS.11.B.6 NS.13.B.1 NS.14.B.3	*See Agriculture Science and Technology list below	**See Skilled and Technical Sciences list below	NA	NA

Lesson 5: Waste-to-Energy

Environmental Education	Social Studies/ American Government	Social Studies/ Contemporary US History	Social Studies/ Sociology	Social Studies/ American History	Math Algebra I Algebra II Geometry	Fine Arts/ Visual Arts	Chemistry	Biology	Agriculture	Skilled and Technical Sciences	Economics	Language Arts
PD.1.ES.19 SP.3.ES.2 SP.3.ES.5 SP.3.ES.6 SP.3.ES.9	SLG.10.AG.3	E.7.CH.3	SI.6.5.1	NA	NA	NA	NA	NA	NA	NA	NA	OV.1.9.1 OV.1.9.2 OV.1.10.1 OV.1.10.2 OV.1.11.1

SP.3.ES.10 SP.3.ES.11 NS.4.ES.1												OV.1.12.1 OV.1.9.4 OV.1.10.4 OV.1.11.3 OV.1.12.3 w.4.9.1 W.4.11.1 W.4.12.1 W.5.9.3 W.5.10.3 W.5.11.2 W.5.12.2 W.5.9.9 W.5.10.9 W.5.11.9 W.5.12.9
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Lesson 6: Landfills

Environmental Education	Social Studies/ American Government	Social Studies/ Contemporary US History	Social Studies/ Sociology	Social Studies/ American History	Math Algebra I Algebra II Geometry	Fine Arts/ Visual Arts	Chemistry	Biology	Agriculture	Skilled and Technical Sciences	Economics	Language Arts
PD.1.ES.19 SP.3.ES.2 SP.3.ES.3 SP.3.ES.5 SP.3.ES.7 SP.3.ES.9 SP.3.ES.10 NS.4.ES.1	SLG.10.AG.3	E.7.CH.3	NA	NA	NA	F.3.AI.2 CP.4.AI.10 RR.5.AI.3 RR.5.AI.4 CP.1.AII.7 CP.1.AII.11 CP.1.AII.16 RR.2.AII.3 RR.2.AII.4 CP.1.AIII.11 CP.1.AIII.16 CP.1.AIV.2	NA	NA	NA	NA	NA	NA

Lesson 7: Where Does Your Garbage Go?

Environmental Education	Social Studies/ American Government	Social Studies/ Contemporary US History	Social Studies/ American History	Social Studies/ Sociology	Math Algebra I Algebra II Geometry	Fine Arts/ Visual Arts	Chemistry	Biology	Agriculture	Skilled and Technical Sciences	Economics	Language Arts
SP.3.ES.2 SP.3.ES.7 SP.3.ES.9 SP.3.ES.10 SP.3.ES.11	SLG.10.AG.3	E.7.CH.3	NA	SI.6.5.1	DIP.5.A1.1, DIP.5.A1.5, DIP.5.A1.10	F.3.AI.2 CP.4.AI.5 CP.4.A1.A0 CP.4.AI.13 RR.5.AI.16 CP.1.AII.5 CP.1.AII.11 CP.1.AII.14 CP.1.AII.16 RR.2.AII.6 CP.1.AIII.5 CP.1.AIII.11 CP.1.AIII.16 RR.2.AIII.6 CP.1.AIV.2 RR.2.AIV.4	NA	NA	NA	NA	NA	NA

Lesson 8: Success Stories and Personal Choices

Environmental Education	Social Studies/ American Government	Social Studies/ Contemporary US History	Social Studies/ Sociology	Social Studies/ American History	Math Algebra I Algebra II Geometry	Fine Arts/ Visual Arts	Chemistry	Biology	Agriculture	Skilled and Technical Sciences	Economics	Language Arts
SP.3.ES.2 SP.3.ES.5 SP.3.ES.9	NA	NA	NA	NA	DIP.5.A1.1, DIP.5.A1.5, DIP.5.A1.10 LG.1.G.1	NA	NA	NA	NA	NA	NA	OV.1.9.2 OV.1.10.2 OV.1.11.1 OV1.12.1 OV.1.9.3 OV.1.10.4 OV.1.11.3 OV.1.12.3 OV.2.9.4

												OV.2.10.4 OV.2.11.1 OV.2.11.5 OV.2.12.1 OV.2.12.6 W.4.9.1 W.4.9.2 W.5.9.3 W.5.10.3 W.5.11.2 W.5.12.2 W.5.10.4 W.5.11.3 W.5.11.4 W.5.12.3 W.5.12.4 W.5.9.9 W.5.10.9 W.5.11.9 W.5.12.9 R.9.9.13 R.9.10.12 R.9.11.10 R.9.12.11 R.10.9.1 R.10.10.1 R.10.11.1 R.10.12.1 IR.12.9.2 IR.12.10.2 IR.12.10.3 IR.12.11.2 IR.12.11.3 IR.12.12.2 IR.12.12.3 IR.12.9.12 IR.12.10.12 IR.12.11.11
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***Agriculture Science and Technology:**

Agriculture Graphics:

Unit 1: Introduction to Agriculture Graphics

1.1

1.2

Unit 2: Equipment Used in Mechanical Drawing

2.1

2.2

2.3

2.4

2.5

Unit 4: Projects

4.2

4.3

Unit 5: Schematics and Blueprints

5.2

Agriculture Structural Systems

Unit 3: Planning and Drawing Agricultural Structures

3.2

3.3

Agriculture Science and Technology

Unit 14: Agricultural Graphics

14.2

14.3

14.4

14.5

Environmental Resources: Soil and Water

Unit 7: Waste management

7.3

Unit 8: Biological Processes

8.1

8.2

****Skilled and Technical Sciences**

Carpentry

Unit 1 Identifying Tools Used in Carpentry

1.1

1.2

1.3

1.4

Unit 3 Using Math Skills for Construction

3.1

3.2.

3.3

3.4

3.5

3.6

Unit 4: Using Construction Materials

4.1

4.2

4.3

Unit 5: Using Basic Carpentry Skills

5.1

5.2

5.3

5.4

5.5

Unit 6 Cutting and Shaping Stock

6.1

6.2

Unit 7: Interpreting Construction Drawings

7.1

7.2

7.3

7.4

7.5

7.6

Unit 8 Estimating and Selecting Materials

8.1

8.2

8.4

Drafting and Design

Unit 4: Orientation to Drafting and Design

4.1

4.2

4.3

4.4

4.5

4.6

Unit 7 Drafting with Orthographic Views

7.1

7.2

7.3

Unit 9: Drawing with Pictorial Views

9.1

9.2

9.3

9.4

9.5