Educational Standards for Texas and Arkansas – Grade Bands 5-8

Lesson 1: It's A Green Revolution – An Introduction to Eco-Schools USA	
TEXAS SCIENCE STANDARDS **Grade 5** Indirectly ties to 5.1B **Grade 6** Indirectly ties to 6.1B **Grade 7** Indirectly ties to 7.1B **Grade 8** Indirectly ties to 8.1B	**ARKANSAS SCIENCE STANDARDS** **Grade 5** NS.1.5.1 **Grade 6** NS.1.6.1 **Grade 7** NS.1.7.6 **Grade 8** NS.1.8.8

Lesson 2: Lights, Camera, Action! Conducting an Energy Audit	
TEXAS SCIENCE STANDARDS **Grade 5** 5.2A-G, 5.3A, 5.4A **Grade 6** 6.2A-E, 6.3A, 6.4A, 6.7B **Grade 7** 7.2A-E, 7.3A, 7.4A **Grade 8** 8.2A-E, 8.3A, 8.4A	**ARKANSAS SCIENCE STANDARDS** **Grade 5** NS1.5.1, 1.5.3-5 **Grade 6** NS1.6.1, 1.6.3-5 **Grade 7** NS.1.7.1, 1.7.3-6 **Grade 8** NS.1.8.1, 1.8.3-6, 1.8.8

Lesson 3: An Energy Mix – Renewable and Nonrenewable Resources	
TEXAS SCIENCE STANDARDS **Grade 5** 5.7C **Grade 6** 6.4A, 6.7A **Grade 7** 7.4A **Grade 8** 8.4A	**ARKANSAS SCIENCE STANDARDS** **Grade 5** Indirectly and as an extension – PS.6.5.4 and PS.6.5.5 **Grade 6** PS.7.6.1 **Grade 7** PS.7.7.1-2, PS.7.7.4 **Grade 8** N/A

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Lesson 4: By Air, Land, or Sea – The Formation and Location of Our Natural Resources	
TEXAS SCIENCE STANDARDS **Grade 5** 5.3B, 5.7A, 5.7C **Grade 6** 6.3B **Grade 7** 7.4A **Grade 8** 8.4A	**ARKANSAS SCIENCE STANDARDS** **Grade 5** NA **Grade 6** NA **Grade 7** PS7.7.1 and 2 **Grade 8** N/A

Lesson 5: Yesterday – Our Energy Needs Over Time			
TEXAS SCIENCE STANDARDS **5th grade** 5.2G, 5.3D, 5.6A, 5.7C **6th grade** 6.2D, 6.3D **7th grade** 7.2D, 7.3D **8th grade** 8.2D, 8.3D	**TEXAS SOCIAL STUDIES STANDARDS** **5th grade** 23A, B, and C, 24B, C, and E **6th grade** 20A, 21A, B, and C **7th grade** 20A, C, and D, 21B and C **8th grade** 27A-D, 28A and B, 29A-C	**ARKANSAS SCIENCE STANDARDS** **5th grade** NA **6th grade** PS.7.6.5 **7th grade** PS.7.7.5 **8th grade** NA	**ARKANSAS SOCIAL STUDIES STANDARDS** **5th grade** H.6.5.2 **6th grade** H.6.6.2 **7th grade** H.6.7.2 **8th grade** H.6.8.2

Lesson 6: Meet the Extractors, Harvesters, and Harnessers: Methods, Technology, Benefits and Consequences in Acquiring Natural Resources	
TEXAS SCIENCE STANDARDS **5th grade** 5.2G and E, 5.3D, 5.7A and C **6th grade** 6.3D, 6.4A **7th grade** 7.3D, 7.4A **8th grade** 8.3D, 8.4A	**ARKANSAS SCIENCE STANDARDS** **5th grade** NS.1.5.4, PS.7.5.6 **6th grade** NS.1.6.4, PS.7.6.5 **7th grade** NS.1.7.4, PS.7.7.1 and 2, PS.7.7.4 and 5 **8th grade** NS.1.8.5

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Lesson 7: Power Pellets! Nuclear Energy in the United States

TEXAS SCIENCE STANDARDS	ARKANSAS SCIENCE STANDARDS
Science **5th grade** 5.3A and D, 5.4A, 5.7C **6th grade** 6.3A and D, 6.4A, 6.7A **7th grade** 7.3A and D, 7.4A **8th grade** 8.3A and D, 8.4D, 8.5A	**Grade 5** Indirectly and as an extension – PS.6.5.4 and PS.6.5.5 **Grade 6** PS.7.6.1-3 **Grade 7** PS.7.7.1-5 **Grade 8** PS.5.8.5

Lesson 8: It's All in the Name – Weather Versus Climate

TEXAS SCIENCE STANDARDS	ARKANSA SCIENCE STANDARDS
5th grade 5.8A **6th grade** NA **7th grade** NA **8th grade** 8.4A, 8.10B	**5th grade** NS.1.5.5 **6th grade** NS.1.6.5 **7th grade** NS.1.7.5 **8th grade** NA

Lesson 9: Hot, Hotter, Hottest – Extreme Weather's Impact on Our Resources

TEXAS SCIENCE STANDARDS	TEXAS SOCIAL STUDIES STANDARDS	ARKANSAS SCIENCE STANDARDS	ARKANSAS SOCIAL STUDIES STANDARDS
5th grade 5.2D, 5.2F and G, 5.4A, 5.8A **6th grade** 6.2E, 6.3C, 6.4A **7th grade** 7.2E, 7.3C, 7.4A, 7.8A **8th grade** 8.2E, 8.3C, 8.4A	**5th grade** 5.6A and B, 5.7C, 5.12A, 5.24B-C **6th grade** 6.6C, 6.8B-C, 6.21B-C **7th grade** 7.9C, 7.13A, 7.21B-C and H **8th grade** 8.29B and C and I and J	**5th grade** NS.1.5.1, 1.5.5 **6th grade** NS.1.6.1, 1.6.4, 1.6.5, LS.4.6.1 **7th grade** NS.1.7.1, 1.7.5 **8th grade** NS.1.8.1, LS.4.8.1, ES.8.8.1	**5th grade** G.1.5.5, G.1.5.7, E.7.5.3, E.9.5.10 **6th grade** G.1.6.5, G.3.6.7, E.7.6.3, E.9.6.10 **7th grade** G.1.7.4, E.7.7.3, **8th grade** G.3.8.5, E.7.8.4

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Lesson 10: The Amazing Adventures of Carbon – How Carbon Cycles through the Earth	
TEXAS SCIENCE STANDARDS **5th grade** 5.3C, 5.9D **6th grade** 6.3B, 6.4A **7th grade** 7.3B, 7.4A, 7.5B and C **8th grade** 8.3A, 8.4A	**ARKANSAS SCIENCE STANDARDS** **5th grade** NS.1.5.1, 1.5.4, 1.5.5 **Grade 6** NS.1.6.1, 1.6.5 **Grade 7** NS.1.7.1, 1.7.5, ESS.8.7.15, 8.7.20 **Grade 8** NS.1.8.1, 1.8.5, 1.8.6

Lesson 11: Why All the Wiggling on the Way Up? CO_2 in the Atmosphere	
TEXAS SCIENCESTANDARDS **Grade 5** 5.2D, 5.2F, 5.3D, 5.9D **Grade 6** 6.2E, 6.3D, 6.4A **Grade 7** 7.2E, 7.3D, 7.4A **Grade 8** 8.2E, 8.3D, 8.4A	**ARKANSAS SCIENCE STANDARDS** **Grade 5** NS.1.5.1, 1.5.4, 1.5.5 **Grade 6** NS.1.6.1, 1.6.5 **Grade 7** NS.1.7.1, 1.7.5, ESS.8.7.15, 8.7.20 **Grade 8** NS1.8.1, 1.8.5, 1.8.6

Lesson 12: Master P in the House – An All School Energy and Climate Change Plan	
TEXAS SCIENCESTANDARDS **5th Grade** 5.1B, 5.2B-G, 5.4A **6th Grade** 6.1B, 6.2C-E, 6.4A, 6.7B **7th grade** School choice for action project could revolve around any number of life science TEKS 7.1B, 7.2D and E, 7.3A, 7.4B **8th grade** 8.1B, 8.2D and E, 8.3A, 8.4A	**ARKANSAS SCIENCE STANDARDS** **Grade 5** NS 1.5.1, 1.5.3-6 **Grade 6** NS 1.6.1, 1.6.3-6 Grade 7 NS.1.7.1, NS.1.7.3-6 Grade 8 NS.1.8.1, NS.1.8.4-8