Educational Standards for Texas and Arkansas – Grade Bands 9-12

Lesson 1: A Green Revolution – An Introduction to Eco-Schools USA	
TEXAS SCIENCE STANDARDS **Biology** B.1.B, B.3.B **Earth and Space Science** ESS.1.B, ESS.3.B **Environmental Systems** ES.1.B, ES.3.B	**ARKANSAS SCIENCE STANDARDS** **Biology** NS.10.B.4, NS.12.B.7 **Environmental Science** Standard 3
Lesson 2: Lights, Camera, Action! Conducting an Energy Audit	
TEXAS SCIENCE STANDARDS **Environmental Systems** ES.1B, ES.2E-K, ES.3A and B, ES.9J and K	**ARKANSAS SCIENCE STANDARDS** **Environmental Science** NS.4.ES.1-3, NS.5.ES.3
Lesson 3: This Blanket is Making Me Hot – Greenhouse Gas Investigations	
TEXAS SCIENCE STANDARDS **Earth and Space Science** ESS.1A, ESS.2G-I, ESS.13C, ESS.15D **Environmental Systems** ES.1A, ES.2E, D-G, and I-K, ES.6A, ES.9A and B	**ARKANSAS SCIENCE STANDARDS** **Environmental Science** PD.1.ES.19 SP.3.ES.4, SP.3.ES.9 NS.4.ES.1 and 2
Lesson 4: Why All the Wiggling on the Way Up? Investigating CO_2 Trends	
TEXAS SCIENCE STANDARDS **Earth and Space Science** EES.1C, EES.2B and 2E-I, EES.3A, EES.13C and D, EES.15C **Environmental Science** ES.2E-G & ES.2I-K, ES.8B, ES.9C and D	**ARKANSAS SCIENCE STANDARDS** **Environmental Science** PD.1.ES.19 SP.3.ES.4, 9 and 10 NS.4.ES.1 & 2

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Lesson 5: Wherefore Art Thou, Albedo? Investigating Ice-Albedo Feedback	
TEXAS SCIENCE STANDARDS **Biology** B.3.B, B.12D-F **Earth Science** ES.2.G-I, ES.3.A and B, ES.10.F, ES.12.A, ES.13.C, ES.14.A **Environmental Systems** ENVS.2.F and I-K, ENVS.3.A, B, and D, ENVS.6.E, ENVS.8.E, ENVS.9.D **Integrated Physics and Chemistry** IPC.5.D and E, IPC.7.F	**ARKANSAS SCIENCE STANDARDS** **Environmental Science** PD.1.ES.16 and 19 BD.2.ES.9 SP.3.ES.1 and 4 NS.4.ES.1 **Biology** EBR.8.B.5 and EBR.9.B.3 NS.11.B.3-6 and NS.12.B.7
Lesson 6: Naturally Speaking – Investigating Natural Resource Production in My State	
TEXAS SCIENCE STANDARDS **Earth and Space Science** ESS1B & C, 2E & G, 3A & B, 12C & D **Environmental Science** ES1B, 2K, 3A & B, 6B	**ARKANSAS SCIENCE STANDARDS** **Environmental Science** SP.3.ES.5, NS.4.ES.2
Lesson 7: Stifling, Oppressive, Sweltering, Oh My! The Science Behind Heat Waves and their Effect on Human Health	
TEXAS SCIENCE STANDARDS **Earth and Space Science** ESS.1C, ESS.2E-I, ESS.3A and B, ESS.9A, ESS.11E, ESS.14A **Environmental Science** ES.2E,F, and H-K, ES.3A and B, ES.8A, B, and E	**ARKANSAS SCIENCE STANDARDS** **Environmental Science** SP.3.ES.1, 5, 9 & 10 NS.4.ES.1-3
Lesson 8: Power Pellets! Nuclear Energy in the United States	
TEXAS SCIENCE STANDARDS **Biology** 1A, 2G & H, 3A-D, 12E & F **Earth and Space Science** 1B & C, 2G & I, 3A-D, 12A & D **Environmental Science** 1B, 2H, I & K, 3A-D, 5C-E, 7C, 8B, 9A & D	**ARKANSA SCIENCE STANDARDS** **High School – Chemistry** Strand: Nuclear Chemistry – NC.30.C.1 Strand: Nature of Science – NS. High School – Physical Science Strand Chemistry: C.1.PS.5, C.2.PS.5-7

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Lesson 9: I've Got the Power! Investigating Solar and Wind Energy Potential at School	
TEXAS SCIENCE STANDARDS **Earth and Space Science** ESS.1C, ESS.2A and E-J, ESS.3A and B, ESS.9A, ESS.12C and D **Environmental Systems** ES.2A, B, and E-K, ES.3A and B, ES.5C and D, ES.6B and C, ES.9J	**ARKANSAS SCIENCE STANDARDS** **Environmental Science** NS.4.ES.1-3
Lesson 10: Master P in the House – An All School Energy and Climate Change Action Plan	
TEXAS SCIENCE STANDARDS **Biology** Bio.1B, Bio.2F-H, Bio.3A and B **Earth and Space Science** ESS.1B and C, ESS.2G and I, ESS.3A and B **Environmental Systems** ES.1B, ES.2E, F, I, K, ES.3A and B	**ARKANSAS SCIENCE STANDARDS** **Biology** NS.10.B.4-6, NS.13.B.1-3, NS.14.B.3 **Environmental Science** NS.4.ES.1-3, NS.5.ES.3