

Soil Field Study

Key:

⊗ = Strongly Aligned

✓ = Aligned

* = Minimally Aligned

DCI = Disciplinary Core Idea

PE = Performance Expectation

Crosscutting Concepts

Scientific Practices

	Cause & Effect	Structure & Function	Systems & System Models	Scale, Proportion, & Quantity	Stability & Change	Energy & Matter	Patterns	1. Asking and Defining Questions	2. Developing and Using Models	3. Planning and Carrying Out Investigations	4. Analyzing and Interpreting Data	5. Using Mathematics and Computational Thinking	6. Constructing Explanations and Designing Solutions	7. Engaging in Argument from Evidence	8. Obtaining, Evaluating, and Communicating Information	Curriculum During
Compost (Worm Bin) DCI: LS2.B; LS2.C; LS4.D; ETS1.B PE: LS2-3; LS2-5	✓	✓		⊗	⊗			✓	⊗							<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Erosion DCI: LS2.C; LS4.D; ETS1.B; ESS2.A; ESS2.C; ESS3.A PE: ESS2-2; LS2-4; LS2-5; ESS3-1*	✓			⊗	⊗			✓	✓	✓			⊗	⊗		<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Weathering DCI: ESS2.A; ESS2.C PE: ESS2-1; ESS2-2	⊗			⊗	✓			✓	⊗				⊗		✓	<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Soil pH DCI: LS2.C PE: LS2-4	✓	✓			⊗			⊗		⊗	✓		✓			<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Particle Size DCI: ESS2.A; ESS2.B PE: ESS2-2		✓	✓	⊗				✓	✓				⊗	✓		<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Absorption/Compaction/Permeability DCI: LS2.C; ESS3.A; ESS3.C PE: ESS3-3; LS2-4; ESS3-1	⊗	✓			⊗			✓	✓	✓	✓		✓	⊗	⊗	<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Soil Recipe DCI: ESS3.A PE: ESS3-1	⊗	✓	✓	✓				✓	✓				⊗			<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Geology DCI: ESS2.A PE: ESS2-1					⊗		✓	✓	⊗	✓						<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day

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Soil Texture and Structure DCI: ESS2.A; ESS2.C PE: ESS2-2	✓		⊛					✓		✓			⊛			<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Topography DCI: ESS2.A; ESS2.C PE: ESS2-2		✓	⊛	✓		✓		✓			✓	✓	⊛			<input checked="" type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Soil Profile DCI: ESS3.A PE: ESS3-1	⊛	✓		✓				✓	✓				⊛			<input type="checkbox"/> 3-Day <input checked="" type="checkbox"/> 6-Day
Mud City DCI: LS2.C; ESS3.C; LS4.D; ETS1.B; ESS2.A; ESS2.C; ESS3.A PE: ESS3-3; LS2-4; LS2-5; ESS2-2; ESS3-1*	⊛		✓	⊛	⊛			✓	✓				⊛			<input type="checkbox"/> 3-Day <input type="checkbox"/> 6-Day
Slope and Aspect DCI: ESS2.A; ESS2.C PE: ESS2-2		✓		⊛	✓				✓	✓			⊛			<input type="checkbox"/> 3-Day <input type="checkbox"/> 6-Day
Soil Life Survey (Critter Catch) DCI: LS2.A PE: LS2-2		✓	✓	✓	✓		⊛	✓					⊛	✓		<input type="checkbox"/> 3-Day <input type="checkbox"/> 6-Day
Apple Earth Intro DCI: LS2.C; ESS3.A PE: LS2-4; ESS3-1	⊛		✓		⊛			⊛	✓				⊛	✓		<input type="checkbox"/> 3-Day <input type="checkbox"/> 6-Day