

Once Upon an Earth Science Book: 12 interdisciplinary Activities to Create Confident Readers

Correlations with Georgia Standards of Excellence for Middle and High School Earth Science*

	<i>6th Grade Earth Science GSE</i>	<i>High School Earth Space Systems GSE</i>
<i>Chapter 4: Reconstructing the Past</i>	This chapter teaches the underlying assumption of Earth science research that some processes remain stable across geologic time. This understanding is especially important for S6E1, S6E2, S6E5 (6 th grade) and SES4 (High School).	
<i>Chapter 5: Mountain Mayhem</i>	S6E5d; S6E5e	SES3a
<i>Chapter 6: Continents on the Move</i>	S6E5f; S6E5g	SES2a; SES2e; SES3b
<i>Chapter 7: Ocean on Top of a Mountain</i>	S6E5g; S6E5e	SES4b; SES4d; SES4e
<i>Chapter 8: Rock Solid Evidence</i>	S6E5c	[Rock types and cycles are an important building block to SES4]
<i>Chapter 9: Look out Below!</i>	S6E3a; S6E5e	SES3a; SES3b; SES6c
<i>Chapter 10: Oceans on the Move</i>	S6E3d	[Layering by density is a building block for SES5]
<i>Chapter 11: Trash Soup</i>	S6E3d; S6E4c	SES5a; SES5c
<i>Chapter 12: Fury in the Water</i>	S6E4b; S6E4c; S6E4e	SES5a; SES5e
<i>Chapter 13: On the Outside Looking In</i>	S6E1c	SES1a; SES1b
<i>Chapter 14: The 20-year Winter</i>	S6E2c	SES5f
<i>Chapter 15: Hairdryer Helper</i>	S6E6a; S6E6b	--- [energy conservation]

**Is this book for middle or high school students? It depends. What students need depends on what background they bring. Each lesson in this book contains a range from basic Earth science ideas to more complex connections between Earth science topics. This allows students with varying levels of Earth science preparation to have ideas to challenge them. While middle school is an ideal time to work with students on the metacognitive literacy strategies, it is not too late to teach them to high school students who struggle with academic text.*

(Reading and Writing Standards: Next Page)

Correlations with Georgia Standards of Excellence for Literacy in Science and Technical Subjects

	<i>Grades 6-8</i>	<i>Grades 9-10</i>	<i>Grades 11-12</i>
<i>Chapter 4</i>	L6-8RST1; L6-8RST2; L6-8RST5; L6-8RST6 L6-8WHST1	L9-10RST1; L9-10RST2; L9- 10RST5; L9-10RST6 L9-10WHST1	L11-12RST1; L11-12RST2; L11-12RST5; L11-12RST6 L11-12WHST1
<i>Chapter 5</i>	L6-8RST4; L6-8RST9 L6-8WHST2	L9-10RST4; L9-10RST9 L9-10WHST2	L11-12RST4; L11-12RST9 L11-12WHST2
<i>Chapter 6</i>	L6-8RST2; L6-8RST7 L6-8WHST1; L6- 8WHST2	L9-10RST2; L9-10RST7 L9-10WHST1; L9-10WHST2	L11-12RST2; L11-12RST7 L11-12WHST1; L11- 12WHST2
<i>Chapter 7</i>	L6-8RST4 L6-8WHST2	L9-10RST4 L9-10WHST2	L11-12RST4 L11-12WHST2
<i>Chapter 8</i>	L6-8RST1; L6-8RST9 L6-8WHST1	L9-10RST1; L9-10RST9 L9-10WHST1	L11-12RST1; L11-12RST9 L11-12WHST1
<i>Chapter 9</i>	L6-8RST2; L6-8RST9 L6-8WHST2	L9-10RST2; L9-10RST9 L9-10WHST2	L11-12RST2; L11-12RST9 L11-12WHST2
<i>Chapter 10</i>	L6-8RST7 L6-8WHST9; L6- 8WHST2	L9-10RST7 L9-10WHST9; L9-10WHST2	L11-12RST7 L11-12WHST9; L11- 12WHST2
<i>Chapter 11</i>	L6-8RST1; L6-8RST5 L6-8WHST2	L9-10RST1; L9-10RST5 L9-10WHST2	L11-12RST1; L11-12RST5 L11-12WHST2
<i>Chapter 12</i>	L6-8RST1; L6-8RST9 L6-8WHST1	L9-10RST1; L9-10RST9 L9-10WHST1	L11-12RST1; L11-12RST9 L11-12WHST1
<i>Chapter 13</i>	L6-8RST7; L6-8RST9 L6-8WHST2	L9-10RST7; L9-10RST9 L9-10WHST2	L11-12RST7; L11-12RST9 L11-12WHST2
<i>Chapter 14</i>	L6-8RST7 L6-8WHST1	L9-10RST7 L9-10WHST1	L11-12RST7 L11-12WHST1
<i>Chapter 15</i>	L6-8RST2; L6-8RST5; L6-8RST6 L6-8WHST9	L9-10RST2; L9-10RST5; L9- 10RST6 L9-10WHST9	L11-12RST2; L11-12RST5; L11-12RST6 L11-12WHST9

Detailed Correlations between individual activities within the lessons and NGSS/ Common Core standards can be found in the appendix of *Once Upon an Earth Science Book*.