

Booklist

These are the books that are scheduled as part of the curriculum. I highly recommend purchasing the books that are used more than a few weeks. It will save you much aggravation to not have to deal with library availability, fees and such.

All of these books are listed at the Build Your Library website with links to purchase.

History:

[Prehistoric Life: The Definitive Visual History of Life on Earth](#) (Weeks 1 – 22)
[Evolution: The Human Story](#) (Weeks 23 – 36)
[The Story of Earth: The First 4.5 Billion Years, from Stardust to Living Planet](#) (Weeks 1 – 11)
[The Ancestor's Tale: A Pilgrimage to the Dawn of Evolution](#) (Weeks 22 – 35)
[The Story of Life in 25 Fossils: Tales of Intrepid Fossil Hunters and the Wonders of Evolution](#) (Spine)

Science:

[A Short History of Nearly Everything](#) (Spine)
[Janice VanCleave's A+ Projects in Earth Science](#) (Spine)
[The Practical Geologist](#) (Weeks 1 – 13)
[The Sea Around Us, Special Edition](#) (Weeks 17 – 21)
[The Stuff of Life: A Graphic Guide to Genetics and DNA](#) (Week 29)
[The Sixth Extinction: An Unnatural History](#) (Weeks 33 – 36)

Poetry:

[Poetry 180: A Turning Back to Poetry](#)
[A Poetry Handbook](#)

Introduction to Literary Analysis:

[How to Read Literature Like a Professor: A Lively and Entertaining Guide to Reading Between the Lines, Revised Edition](#)
[Figuratively Speaking](#)

Literature:

[Last of the Sandwalkers](#) (Week 1)
[Life as We Knew It](#) (Week 3)
[The Lord of the Rings: 50th Anniversary, One Vol. Edition](#) (Week 5)
[Memory of Water: A Novel](#) (Week 11)
[The Taming of the Shrew](#) (Week 13)
[Ashfall](#) (Week 15)
[Raptor Red](#) (Week 18)
[Evolution, Me & Other Freaks of Nature](#) (Week 20)
[A Bone from a Dry Sea](#) (Week 22)

[The Inheritors](#) (Week 23)

[Eva](#) (Week 25)

[Flowers for Algernon](#) (Week 27)

[The Kin](#) (Week 30)

[The Clan of the Cave Bear](#) (Week 33)

Survival Skills Elective:

[Bushcraft: Outdoor Skills and Wilderness Survival](#)

[Edible Wild Plants: A North American Field Guide to Over 200 Natural Foods](#)

Art:

[You Can Draw in 30 Days: The Fun, Easy Way to Learn to Draw in One Month or Less](#)

[Cave Art](#)

Material: Sketch Pad

Optional Books and Resources:

[Smithsonian Handbooks: Rocks & Minerals \(Smithsonian Handbooks\)](#)

[Smithsonian Handbooks: Fossils](#)

[Keeping a Nature Journal: Discover a Whole New Way of Seeing the World Around You](#) (Might be useful for working on your Survival Journal)

[The Princeton Field Guide to Dinosaurs](#)

[Make Your Own Dinosaur out of Chicken Bones: Foolproof Instructions for Budding Paleontologists](#)

[The Cartoon Guide to the Environment \(Cartoon Guide Series\)](#)

[Every Bone Tells a Story: Hominin Discoveries, Deductions, and Debates](#)

[A Field Guide to Eastern Trees: Eastern United States and Canada, Including the Midwest \(Peterson Field Guides\)](#)

[The Hunting & Gathering Survival Manual: 221 Primitive & Wilderness Survival Skills](#)

Documentaries:

[If We Had No Moon \(Discovery Channel\)](#) (Week 3)
[Secrets of the Universe](#) (Week 3)
[The Universe: Supernovas](#) (Week 4)
[Quantum Leap](#) (Week 10)
[Colliding Continents](#) (Week 13)
[Your Inner Fish](#) (Week 13)
[The Taming Of The Shrew](#) OR [10 Things I Hate About You](#) (Week 14)
[Deadliest Volcanoes](#) (Week 15)
[Doomsday Volcanoes](#) (Week 16)
[IMAX: Deep Sea](#) (Week 18)
[Walking With Dinosaurs](#) (Week 19)
[Journey of Man](#) (Week 22)
[Decoding Neanderthals](#) (Week 23)
Becoming Human: [First Steps](#) (Week 24)
First Peoples: [Americas](#) (Week 29)
First Peoples: [Africa](#) (Week 30)
[This Changes Everything](#) (Week 30)
First Peoples: [Asia](#) (Week 31)
Becoming Human: [Birth of Humanity](#) (Week 31)
First Peoples: [Australia](#) (Week 32)
Becoming Human: [Last Human Standing](#) (Week 32)
First Peoples: [Europe](#) (Week 33)
[Mass Extinction: Life on the Brink](#) (Week 33)

A note about the documentaries linked through Amazon.com:

Please do not think you need to purchase all of the DVDs that I linked in the lesson plans. They can easily be found in your local library, through Netflix, or another movie rental chain. I linked them through Amazon.com so you can see exactly what documentary I'm referring too, as many have similar or even the same name. Also, if your child does not enjoy historical documentaries, do not feel you must make them watch every single one. That would defeat the purpose. Maybe choose one that you think they might be interested in (it helps if they are interested in the subject matter).

History of Science

Week 2

	Day 1	Day 2	Day 3	Day 4	Day 5
History <i>Story of the Earth</i> <i>Prehistoric Life</i>	Chapter 1 Pg. 7 – 13	Pg. 20 – 25	Chapter 1 Pg. 13 – 21	Pg. 26 – 30	Chapter 1 Pg. 21 – 30
Science: <i>Short History of Nearly Everything</i>		Chapter 1	Practical Geologist Pg. 10 – 19	Janice VanCleave's A+ Earth Science Projects Pg. 25 – 30	Quiz
Literature <i>Last of the Sandwalkers</i>	Chapters 9 – 10	Chapter 11	Chapter 12	Chapters 13 – 14	Chapter 15
Intro To Literary Analysis		How to Read Literature Like a Professor Ch. 2			Figuratively Speaking Lesson 2 Hyperbole
Poetry <i>Poetry 180</i>	Poem 006	Poem 007	Poem 008	Poem 009	Poem 010
Language Arts				Dictation	Composition Card
Art <i>You Can Draw in 30 Days</i>		Lesson 3		Lesson 4	
Survival Skills <i>Bushcraft</i>	Introduction Pg. 9 – 10		Activity: Overview of Year		

Prehistoric World

Week 2 - Day 1

History Reading:

Story of the Earth – read chapter 1 pages 7 – 13

Key Idea/Topic – Very early beginnings of the universe – the first atoms and minerals.

History Activity:

Describe the life cycle of a star – either write a paragraph or draw and label a diagram to explain.

Literature:

Last of the Sandwalkers – read chapters 9 – 10

Notes and Vocabulary:

- What does Miriam discover in the tunnels? How does Professor Owen react?
- What is the mantra of the Order of the Scarabi?
- What triggered the destruction of Old Coleopolis? Why?
- What happens to Raef when he feels strong emotions? How does Lucy fix it?
- What story does Ma'Dog tell the other beetles? What is the moral he's trying to get them to understand?

Dictation Passage:

Once we got settled in a hollowed tree trunk, I removed Raef's head from his body. He has a computer in his thorax a lot like the ganglion in our thorax that coordinates the movement of our legs and wings. Since Raef's brain regulates the computer in his thorax, I figured separating his head and body would give his brain less to worry about and help him regain consciousness faster. It's been a few days and it seems to be working.

Poetry:

Poetry 180 – read pages 10 – 11, *Acting* by Suzanne Cleary

Survival Skills:

You will be learning a variety of skills for surviving in the wilderness. Primitive peoples seemed to innately know these skills – fire making, building shelter, foraging, using the materials around you to survive – basic skills that have been lost over the millennia as we have adapted to our modern era. But it can be helpful to know how to live in the wild, whether you are camping or preparing for the zombie apocalypse. ;)

Read: Bushcraft – pages 9 – 10, Introduction

Prehistoric World

Week 2 - Day 2

History Reading:

Prehistoric Life – read pages 20 – 25

Key Idea/Topic – Plate Tectonics and Changing Climates

History Activity:

Sketch and label a diagram of the Carbon Cycle.

Science Reading:

A Short History of Nearly Everything – read chapter 1

Key Idea: the Big Bang Theory and universes and the relative size of space

Science Activity:

Watch the video [Powers of Ten](#) (this is a video on YouTube)

Literature:

Last of the Sandwalkers – read chapter 11

Note and Vocabulary:

- How are they going to find both parts of Raef's body?
- What is Lucy's plan for breathing under water? How does she know it will work?

Dictation:

Study the dictation passage.

Intro to Literary Analysis:

How to Read Literature Like a Professor – read chapter 2

Complete the study guide questions for Chapter 2.

Poetry:

Poetry 180 – read pages 12 – 13, *The Cord* by Leanne O'Sullivan

Art:

You Can Learn to Draw in 30 Days – complete lesson 3

Prehistoric World

Week 2 - Day 3

History Reading:

Story of the Earth – read chapter 1 pages 13 – 21 (begin at Cosmic Clues)

Key Idea/Topic – The solar system’s origins, meteorite and the beginnings of minerals

History Activity:

Write a paragraph about the clues to the solar system’s origins. (SotE pg. 13 – 15)

Science Reading:

The Practical Geologist – read pages 10 – 19

Key Idea/Topic – the history of the Earth

Science Activity:

Complete the Something to Do activity on page 13.

Materials needed:

Jar or clear container with a lid
Styrofoam teased out into beads
small stones

Literature:

Last of the Sandwalkers – read chapter 12

Notes and Vocabulary:

- How was Lucy able to rescue Raef’s head from the ants?
- Who helps the beetles to come up with a way to get back home quickly?
- What is Lucy’s plan?

Dictation:

Study the dictation passage.

Poetry:

Poetry 180 – read pages 14 – 16, *Ode: The Capris* by Mark Halliday

Survival Skills:

Activity: Here is a list of the skills you will be learning over the course of the unit:

- Fire making and fire safety
- Safely using tools (axe and knife skills)
- Cordage making, knots and basket weaving
- Shelter building
- Foraging for edible plants, finding water, and outdoor cooking

For this course, you will keep a journal where you write down notes from the readings, your experiences practicing new skills, as well as creating sort of nature journal as you learn about plants and their uses. For today's entry, write about what you want to get out of this course – what skills do you already have? What skills do you hope to benefit from and why or when do you think you'll need to use them?

Prehistoric World

Week 2 - Day 4

History Reading:

Prehistoric Life – read pages 26 – 30

Key Idea/Topic – Life and Evolution; Classification

History Activity:

In a brief paragraph, explain the difference between Linnaean and Phylogenetic Classification.

Science Reading:

Janice VanCleave's A+ Earth Science Projects – read pages 25 – 30, The Spinning of the Earth on its Axis Complete the project and write a lab report.

Materials Needed:

8 inch (20cm) piece of string
metal washer
pencil
1 qt (1 liter) jar
lazy Susan turntable
masking tape

Literature:

Last of the Sandwalkers – read chapters 13 – 14

Notes and Vocabulary:

- How does the ladybug describe humans?
- What problems do the beetles face while sailing on the wind river?
- What has Professor Owen been building?
- What are Lucy's origins? What does Owen want to do to her?
- How does Lucy escape?
- What is Professor Owen fighting for? Why?

Dictation:

Complete dictation passage.

Poetry:

Poetry 180 – read pages 17 – 18, *Bringing My Son to the Police Station to be Fingerprinted* by Shoshauna Shy

Art:

You Can Draw in 30 Days – complete lesson 4

Prehistoric World

Week 2 - Day 5

History Reading:

Story of the Earth – read chapter 1 pages 21 – 30

Key Idea/Topic – More on the origins of the Solar System

History Activity:

Choose one of these topics to write a one page, 5 paragraph report about:

- How might Earth be different if it had a second sun?
- How do moons form around planets?
- What are some of the ways that scientists can understand the age of the Earth?

Science Activity:

Complete the quiz for A Short History of Nearly Everything Ch. 1. (Quizzes and answer keys found beginning on page 324)

Timeline Project:

Begin your project with a section about the Big Bang Theory and the origins of the universe.

Literature:

Last of the Sandwalkers – read chapter 15

Choose a Composition Card and complete a one to two page paper based on Last of the Sandwalkers.

Note and Vocabulary:

- What has happened since returning home?
- What does Lucy learn about the bones she discovered? How does her discovery inspire her?

Poetry:

Poetry 180 – read pages 19 – 20, *On the Death of a Colleague* by Stephen Dunn

Intro to Literary Analysis:

Figuratively Speaking – complete Lesson 2, Hyperbole

What does the word communion mean? First, write your interpretation of the word then write the dictionary definition.

Write a list of all the things that eating in literature can represent.

Think about books you have read and find an example of a scene in a story in which eating represents something else. Give a brief synopsis of the scene and then explain what it might symbolize.

Lab Report

Name of Experiment: _____

Introduction: (What do you expect to learn?)

Hypothesis: (Predict what you think will happen – write it in an “if.....then...” format)

Materials Used: (list everything you used to complete this experiment)

Procedure: (Explain in complete sentences the steps that you took to complete this lab)

Data: Record any data required for this lab, in the form of sketches, graphs, charts, etc.)

Analysis: (explain your data in words)

Conclusion: (What did you learn from this lab? Compare your results with your hypothesis)