

Blossom and Root Fourth Grade Science Book List

Required Books:

There are no required books for this curriculum. Theoretically, you could complete this curriculum without using any books at all, simply by using our "big picture" messages listed in each unit and our suggested video links. However, we do have several books that are highly recommended (see below) to help truly bring each topic to life in a visual way for your child.

Highly Recommended Books:

Wonder #	Book
Most 1 - 18	<p><i>DK Smithsonian Explanatorium of Science</i> ISBN 978-1-4654-8244-0</p> <p>This is one option for the main spine for the physics portion of Wonders 1 - 18, and is also used in several of the engineering lessons as well. It does not go into great depth, but is a good foundational teaching tool.</p>
OR	
Most 1 - 18	<p><i>Professor Astro Cat's Atomic Adventure</i> by Dr. Dominic Walliman and Ben Newman ISBN 978-1-909263-60-4</p> <p>This is the other option for the main physics spine for Wonders 1 - 18, and in some ways is the stronger contender. We recommend looking closely at both options (via preview on Amazon) before choosing.</p>
3, 5, 11 - 16, 18	<p><i>DK Find Out! Energy</i> by Emily Dodd ISBN 978-1-46547445-2</p> <p>We feel that this resource fills out the energy, force, and motion units more than the two books listed above. For this reason, it is recommended as a supplement for the listed Wonders.</p>
Most 1 - 18	<p><i>The Way Things Work Now</i> by David Macaulay ISBN 978-0-544-82439-6</p> <p>The main spine for the engineering portion of Wonders 1 - 18, recommended for ages 9 and up.</p>
1	<p><i>Engineered! Engineering Design at Work</i> by Shannon Hunt and James Gulliver Hancock ISBN 978-1-77138-560-2</p> <p>We only use this in the first lesson, but it is an excellent introduction to engineering and the engineering process. Could be assigned as independent reading for a confident reader, age 9+.</p>
All 19 - 36	<p><i>DK Smithsonian Human Body!</i> ISBN 978-1-4654-6239-8</p> <p>This is one option for the anatomy portion of the curriculum, covered in Wonders 19 - 36. We chose this spine primarily for its visual content.</p>
OR	
All 20 - 36	<p><i>The Fantastic Body: What Makes You Tick and How You Get Sick</i> by Dr. Howard Bennett ISBN 978-1-62336-889-0</p> <p>This is the second option for the anatomy portion of the curriculum, covered in Wonders 19 - 36. This spine was chosen more for its informational content and approachable tone for elementary learners. You could certainly combine both of the anatomy spines, if you'd like.</p>
Most 19 - 36	<p><i>Anatomicum</i> Curated by Katy Wiedemann and Jennifer Z Paxton ISBN 978-1-78741-492-1</p> <p>A good alternative to the DK anatomy book for visual learners and fans of the <i>Welcome to the Museum</i> series. Not as extensive as the DK book, but the illustrations are wonderful.</p>