

BIBLIOGRAPHY: NONFICTION BOOKS WITH CURRICULA for DIFFERENT LEARNING STYLES & BEHAVIORS (Grades 3-5)

This list was compiled by Elizabeth Shreeve with input from Patricia Newman, Jason Jones, and others. It is available at <https://elizabethshreeve.com/educational-resources/>

The list is intended as a starting point only and NOT as a complete list.

Entries are organized with curriculum that appeal to the widest range of learning styles at the top.

(gray tones indicate less focused/partial focus)

CRITERIA:

- Recent, high- quality illustrated science nonfiction for children
- Books have related curriculum including classroom activities
- Major trade publisher
- Readily available in libraries and bookstores

[Questions, suggestions? Please contact Elizabeth Shreeve at https://elizabethshreeve.com/about-contact/](https://elizabethshreeve.com/about-contact/) Thank you!

BOOK Author	Auditory/Musical	Visual/Artistic	Kinesthetic Bodily	Verbal/Reading	Math/Logic	Publisher, Year Grade Levels	Links and Notes
OUT OF THE BLUE: HOW ANIMALS EVOLVED FROM PREHISTORIC SEAS Elizabeth Shreeve	YES	YES	YES	YES		Candlewick, 2021 Grades 2-5	Activities + videos target a range of learning styles/behaviors https://elizabethshreeve.com/educational-resources/ https://www.patriciamnewman.com/litlinks-ocean-secrets-revealed-where-did-the-first-animals-come-from/ https://www.youtube.com/channel/UCsZMOyhdzwVkwjZOHsaz_fg
BE A TREE! Maria Gianferrari	YES	YES	YES	YES		Abrams, 2021 Grades PK-3	Activities for Art, Auditory (Song), Yoga https://www.curiouscitydpw.com/2021/04/22/be-a-tree-activities/
A SEED IS THE START Melissa Stewart		YES	YES	YES	YES	National Geographic Grades 1-4	Visual recognition/drawing, vocabulary, hands-on experiments, data organization. Dual-layer text appeals to multiple grade levels. Seed_is_the_Start_CG.pdf (melissa-stewart.com)
SAVE THE CRASH TEST DUMMY Jennifer Swanson	YES	YES	YES		YES	Peachtree, 2021 Grades 3-7	Teacher guides with multiple art, hands-on, and spatial reasoning activities for different grade levels; related podcasts https://jenniferswansonbooks.com/teachers-guides-for-jennifer-swanson-books/ https://solveitforkids.com/
WHAT'S IN YOUR POCKET? Heather Montgomery			YES	YES	YES	Charlesbridge, 2021 Grades PK-3	https://www.patriciamnewman.com/litlinks-match-sort-classify-proven-activities-that-captivate-students/
WHO GIVES A POOP? Heather Montgomery			YES	YES	YES	Bloomsbury, 2020 Grades 4-6	https://www.patriciamnewman.com/litlinks-icky-sweet-or-how-to-build-a-science-key-with-words/
EAVESDROPPING ON ELEPHANTS Patricia Newman	YES	YES	YES			Millbrook, 2018 Grades 4-8	Activities with videos, sounds, maps, and body movement https://www.patriciamnewman.com/litlinks-how-elephants-can-make-your-sound-unit-roar-requested-at-library
PLANET OCEAN Patricia Newman		YES	YES			Millbrook, 2021 Grades 4-8	Visual: https://www.patriciamnewman.com/litlinks-lets-learn-to-decode-photos-in-stem-nonfiction/ Kinesthetic: https://www.patriciamnewman.com/wp-content/uploads/2021/02/Planet-Ocean-Curriculum-Guide.pdf
BONE BY BONE: COMPARING ANIMAL SKELETONS Sara Levine		YES	YES			Millbrook, 2014 (paper) Grades K-3	Activity includes recognizing body parts, drawing/coloring, sorting/classification http://www.saralevinebooks.com/for-teachers
SNOWMAN-COLD=PUDDLE Laura Purdie Salas					YES	Charlesbridge, 2019 Grades PK-3	https://www.patriciamnewman.com/litlinks-writing-equation-poems-in-science-class/ ; https://www.laurasalas.com/snowman/
TWO TRUTHS AND A LIE Ammi-Joan Paquette and Laurie Thompson +		YES		YES		Walden Pond Press, Grades 3-7	Activities for verbal and visual pattern recognition and logical thinking; Common Core alignments https://laurithompson.com/wp-content/uploads/2018/11/180618-truthlie2-educator-final.pdf
ASTRONAUT, AQUANAUT Jennifer Swanson	YES	YES		YES		National Geographic Grades 3-7	Teacher guides with multiple art, hands-on, and word choice activities for different grade levels; related podcasts https://jenniferswansonbooks.com/teachers-guides-for-jennifer-swanson-books/ https://www.teacherspayteachers.com/Product/STEM-Career-Lesson-Podcast-What-Would-You-Take-to-an-Underwater-Spaceship-6445711
BRACELETS FOR BINA'S BROTHERS Rajani LaRocca	YES					Charlesbridge, 2021 Grades PK-1	https://www.patriciamnewman.com/litlinks-making-and-recognizing-patterns-a-math-skill-activity-has-auditory-movement-and-math-patterns
FAULT LINES Johanna Wagstaffe	YES		YES			Orca Books, 2017 Grades 4-7	https://fromthemixedupfiles.com/category/stem-tuesday-requested-at-library

HOW TO BUILD AN INSECT Roberta Gibson		YES		YES	Millbrook, 2021 Grades K-3	Includes word collection activity https://www.patriciamnewman.com/litlinks-un-bee-lievable-steam-activities-to-make-students-wild-about-insects/
IF YOU WANT TO KNIT SOME MITTENS Laura Purdie Salas				YES Is it NF?	Boyd's Mills Press, 20 Grades Pk-3	https://www.patriciamnewman.com/litlinks-measure-twice-cut-once-measurement-as-a-math-and-science-skill/
A TRUE WONDER: THE COMIC BOOK HERO WHO CHANGED EVERYTHING Kirsten Larson	YES				Clarion, 2021 Grades Pk-3	https://www.patriciamnewman.com/litlinks-why-wonder-woman-is-great-for-teaching-the-senses/not-available-yet
BLACK HOLE CHASERS Anna Crowley Redding	YES Audiobook				Feiwel & Friends, 20 Grades 4-6	Audiobook available at Audible.com/Amazon
DREAMING UP Christy Hale		YES		YES	Lee & Low, 2012 Grades PK-3	https://www.patriciamnewman.com/litlinks-transform-students-into-builders-and-poets-with-easy-activities/
THE SCIENCE AND TECHNOLOGY OF LEONARDO DA VINCI Elizabeth Pagel-Hogan		YES		YES	Nomad Press, 2021 Grades 4-6	Includes map-making activity https://www.patriciamnewman.com/litlinks-6-ways-to-teach-your-students-to-think-like-leonardo-da-vinci/
LEAFLET THREE, LET IT BE! Anita Sanchez				YES		https://www.patriciamnewman.com/litlinks-adjectives-and-verbs-give-science-writing-power/

ADDITIONAL RESOURCES

Resource	Description	Form	Links and Notes
LITLINKS Patricia Newman, Children's Book Author	Excellent blog highlighting natural connections between STEM & language arts, with guest posts by authors, educators, and scientists	Blog	Excellent source for newly published science nonfiction books with classroom activities; updated frequently https://www.patriciamnewman.com/blog-4/
PERFECT PAIRS, GRADES 3-5 Melissa Stewart and Nancy Chesley Stenhouse Publishers, 2016 ISBN: 978-1-57110-959-0	Book of resources for using fiction and nonfiction picture books to teach life science. Includes many classroom activities including hands-on kinesthetic activities and those that appeal more strongly to visual-verbal learners	Books	https://www.melissa-stewart.com/books/teachers/bk_perfect_pairs_3-5.html https://www.stenhouse.com/content/perfect-pairs-grades-3-5Grades K-2 also available: https://www.stenhouse.com/content/perfect-pairs-grades-k-2
STEM TUESDAY	Website about new middle grade science books and related activities	Website	Includes posts that focus on topics (e.g., earthquakes) using a collection of books and activities https://fromthemixedupfiles.com/category/stem-tuesday/
CELEBRATE SCIENCE BLOG	Blog on science topics maintained by author Melissa Stewart,. Includes post "Nonfiction Kids with Dyslexia Can Love" by Elizabeth Steinglass	Blogpost	Suggested books for students with dyslexia include nonfiction poetry, audiobooks, graphic novels, and highly visual layouts http://celebratescience.blogspot.com/
YOUR BRAIN ON MUSIC	Research from University of Central Florida on how the brain responds to music	Website	https://www.ucf.edu/pegasus/your-brain-on-music/