

### Guide to Using Environmental Fiction and Nonfiction in the Classroom

Environmental issues feel more immediate and expansive than ever. Whether it's the global movements organized by youth activists like Greta Thunberg or the more localized efforts taking place in communities around the country, kids are at the forefront of the demand for change. They're exploring their surroundings with an eye for connection and sustainability; they're learning to recognize growing problems and working to identify possible solutions.

This guide will help encourage and activate young people looking to learn more about the world around them or to better understand the conversations around climate change. They can reflect and interact with one another about topics that are meaningful and immediate while developing creative ideas, engaging critical thinking, and strengthening STEM skills. These discussion questions and activities can be adapted across age levels, and recommended reading categories include nonfiction and fiction selections from board books through YA.

#### **Discussion Questions**

- 1. Why should we care about the environment? Using books featured below or news articles, name some of the ways we rely on nature and how our choices are affecting it. Does anything you've learned change how you currently engage and think about your surroundings?
- 2. In Jeanette Winter's picture book *Our House Is on Fire*, the author describes Greta Thunberg's school strike and its growing momentum. "Children started striking everywhere. If grown-ups won't act to save the planet, children will." Why is Greta frustrated with adults? How does she feel about the planet's future? What roles do you feel children can play in helping to save and preserve the world around us? How else have you seen kids speak out and act against these issues?
- 3. How to Change Everything has a section called "Students on Strike" as well. Author Naomi Klein writes, "organizers of the first school strike estimate that there were almost 2,100 youth climate strikes in 125 countries that day. More than a million and a half young people showed up." She describes strikers in Cape Town, South Africa; the Pacific Island nation of Vanuatu; and Delhi, India, who are all seeing changes in their environments due to the climate crisis. What have you seen or heard about natural disasters such as earthquakes, hurricanes, droughts, or floods and conditions such as air pollution occurring in other countries? How might those events affect the people living there? How can rising temperatures cause or worsen these situations? How can students striking from all over the world send a powerful message? How can their efforts inspire action and hope for the future?
- 4. What do you love most about your community or state? Think about parks, gardens, hiking grounds, lakes, oceans, and other natural landscapes, or places that allow you to interact with plants and animals such as nature preserves, museums, or zoos. As a class, discuss some of these locations that you'd like to recommend for people visiting your area. Did classmates suggest any places that you'd never heard of before? Why might it be important for people to be able to access the outdoors and spend time in nature?
- What is a favorite novel, picture book, or nonfiction book you've read that involves elements of the natural world or environmental concerns? Share your own eye-opening fact with your classmates.

#### **Activities**

- Take a walk in your neighborhood or in your favorite park. What wildlife and plants do you notice? How does the time in nature make you feel? Write an essay, poem, or short story about appreciating these surroundings.
  - **EXTENSION ACTIVITY:** Write about how these surroundings are in danger, and what the consequences might be if we don't act.
- 2. As a class or in a small group, discuss what you know about animals and their habitats, and what kinds of food and climates they need to survive. Consider reading picture books such as Fur Feather Fin—All of Us Are Kin, The Honeybee, The Beak Book, Crossings, What Do They Do with All That Poo?, and Amara and the Bats. Brainstorm a list of three to five animals you'd like to learn more about; then, independently or in small groups, choose one animal to focus on. Use some of the book suggestions below, the internet, or resources in your school library to collect information. Share your most interesting findings with your class.

**EXTENSION ACTIVITY:** Gather information about animal habitats as they relate to the climate crisis: How are they changing? Which animals are particularly endangered? Create a list of ways you could help protect them, or draw a picture of the environment they currently have alongside the one they need to survive to hang throughout your school or classroom as a way to help spread awareness.

- 3. A garden can be a place of solace, a sustainable way to grow and consume your own food, and a meeting place that brings people together. Imagine you could start your own community garden. Where would it be located? How much space would it take up, and how many people could have their own plots? What kinds of food would you plant? Draw a map of your garden. For inspiration, consider reading picture books such as Harlem Grown; Thank You, Garden; In a Garden; Hundred Feet Tall; and Growing an Artist.

  EXTENSION ACTIVITY: How could you give back to your community and the environment? Read about topics like composting, food donation, food accessibility, reuse and recycle, and single-use packaging and think about how you can incorporate these processes or types of awareness into your daily life.
- 4. Interview a classmate, friend, or family member. What do they most value or enjoy in being around nature? What changes have they noticed in the environment? What do they consider to be the most important issues we're facing? What do they plan to do about it?

  EXTENSION ACTIVITY: Once your classmate, friend, or family member has answered all your questions, open it up into a conversation where you can both share your feelings and ideas. Then use their interview answers and your discussion to come up with two to four topics you'd like to use to get people talking about the climate; brainstorm one new person you can chat with once a week for the next month.
- 5. Look at the colorful protest signs on the endpages of *Our House Is on Fire*, or think about others you've seen in the news or in your community. Then create your own sign using your own message about what topics or actions are most important to you.
- landscape. Imagine you're writing a fictional short story or novel that incorporates this situation and setting. Who would be telling this story? Who would some of the other characters be? What would be the major conflict and the climax? Once you've brainstormed these details, write one pivotal scene for a novel or a short story. For inspiration, consider reading books like Stuart Gibbs's FunJungle series, Fabien Cousteau and James O. Fraioli's Fabien Cousteau Expeditions series, Arrow by Samantha M. Clark, The Islanders by Mary Alice Monroe, Haven Jacobs Saves the Planet by Babara Dee, and Dry by Neal Shusterman and Jarrod Shusterman. Why do you think authors and illustrators insert real environmental concerns into fictional stories? What happens when you give a larger concept like climate change a specific face and name?
- 7. Start an environmental club in your school, or join one and help to increase membership if it already exists. What messages would you like to convey? What topics will you discuss? What kind of projects will you take on? How often will you meet? How will you draw in members?
- 8. Investigate organizations in your community, and make a list of any that are environment-related. Are you surprised by the number available? Are there any issues or topics you think are missing? Are there any that you'd consider joining or recommending to a friend or family member?

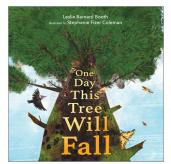
## Encourage Environmentally Conscious Kids and Budding Activists!



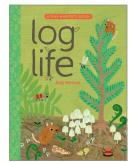
Denotes reading group guide/ curriculum guide available on SimonandSchuster.net.



This Little Environmentalist
By Joan Holub
Illustrated by Daniel Roode
BB: 9781534475588
Grades P – K | Ages 3 – 5



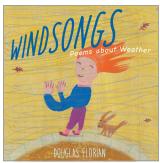
One Day This Tree Will Fall
By Leslie Barnard Booth
Illustrated by Stephanie Fizer Coleman
HC: 9781534496965 | EB: 9781534496972
Grades P-3 | Ages 4-8
Available March 2024



Log Life
By Amy Hevron
HC: 9781665934985 | EB: 9781665934992
Grades Up to 3 | Ages Up to 8



Lights Out
By Jessica Stremer
Illustrated by Bonnie Pang
HC: 9781665931977 | EB: 9781665931984
Grades P-3 | Ages 4-8



Windsongs
By Douglas Florian
HC: 9781665937726 | EB: 9781665937733
Grades Up to 3 | Ages Up to 8
Available May 2024



Harlem Grown

By Tony Hillery
Illustrated by Jessie Hartland
HC: 9781534402317
Grades P−3 | Ages 4−8
Lexile\* AD540L | Fountas & Pinnell™ L



Our House Is on Fire

By Jeanette Winter
HC: 9781534467781

Grades P-3 | Ages 3-8
Lexile\* 680L | Fountas & Pinnell™ M



Thank You, Garden
By Liz Garton Scanlon
Illustrated by Simone Shin
HC: 9781481403504
Grades P-2 | Ages 3-7
Lexile\* AD240L



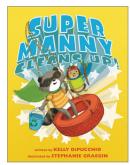
Green on Green
By Dianne White
Illustrated by Felicita Sala
HC: 9781481462785
Grades P-3 | Ages 4-8
Lexile\* 350L



Growing an Artist
By John Parra
HC: 9781534469273
Grades P-3 | Ages 4-8
Lexile\* AD620L



In a Garden
By Tim McCanna
Illustrated by Aimée Sicuro
HC: 9781534417977
Grades P-3 | Ages 4-8
Lexile\* AD770L



Super Manny Cleans Up!
By Kelly DiPucchio
Illustrated by Stephanie Graegin
HC: 9781481459624
Grades P-3 | Ages 4-8
Lexile\* 730L



Some Questions About Trees
By Toni Yuly
HC: 9781534489158 | EB: 9781534489165
Grades P-3 | Ages 4-8
Lexile\* AD270L



The Tale of The Whale
By Karen Swann
Illustrated by Padmacandra
HC: 9781534493940
Grades P-3 | Ages 4-8
Lexile\* AD580L

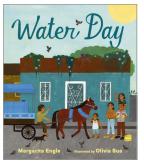


Harriet's Ruffled Feathers
By Joy McCullough
Illustrated by Romina Galotta
HC: 9781534486768
Grades P-3 | Ages 4-8
Lexile\* AD910L



**Marjory Saves the Everglades** 

By Sandra Neil Wallace . Illustrated by Rebecca Gibbon HC: 9781534431546 Grades P-3 | Ages 4-8 Lexile® AD750L



**Water Day** 

By Margarita Engle Illustrated by Olivia Sua HC: 9781665918718 Grades P-3 | Ages 4-8



When Giants Burn

By Beth Vrabel HC: 9781665918626 Grades 3-7 | Ages 8-12



Kids Who Are Changing the World Ready to Read Level 3

By Sheila Sweeny Higginson Illustrated by Alyssa Petersen HC: 9781534432154 | PB: 9781534432147 Grades 1-3 | Ages 6-8 Lexile® 870L | Fountas & Pinnell™ P



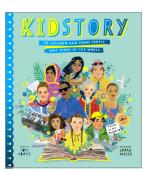
Kids Who Are Saving the Planet Ready to Read Level 3

By Laurie Calkhoven . Illustrated by Monique Dong HC: 9781534456471 | PB: 9781534456464 Grades 1—3 | Ages 6—8 Lexile® 940L | Fountas & Pinnell™ Q



**Best Buds Forever Book 7 of Craftily Ever After** 

By Martha Maker Illustrated by Xindi Yan HC: 9781534463554 | PB: 9781534463547 Grades K-4 | Ages 5-9



**Kidstory** 

By Tom Adams . Illustrated by Sarah Walsh HC: 9781534485150 Grades 3 & Up | Ages 8 & Up Lexile® 1020L | Fountas & Pinnell™ W



#### **Greta's Story**

By Valentina Camerini Illustrated by Veronica Carratello Translated by Moreno Giovannoni HC: 9781534468771 | PB: 9781534468788 Grades 3-7 | Ages 8-12 Lexile® 980L | Fountas & Pinnell™ W



#### **How to Change Everything**

By Naomi Klein Adapted by Rebecca Stefoff HC: 9781534474529 | PB: 9781534474536 Grades 5 & Up | Ages 10 & Up Lexile® 1110L | Fountas & Pinnell™ Z



**Together We March** 

By Leah Henderson Illustrated by Tyler Feder HC: 9781534442702 Grades 2 & Up | Ages 7 & Up Lexile® 1260L



**Even More Fantastic Failures** 

By Luke Reynolds HC: 9781582707334 | PB: 9781582707341 Grades 3-7 | Ages 8-12 Lexile® 1130L



Haven Jacobs Saves the Planet

By Barbara Dee . HC: 9781534489837 | PB: 9781534489844 Grades 4-8 | Ages 9-13 Lexile® 640L | Fountas & Pinnell™ W



By Margarita Engle

Grades 7 & Up | Ages 12 & Up Lexile® NP



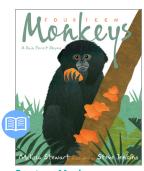


Denotes reading group guide/ curriculum guide available on SimonandSchuster.net.



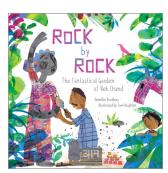
Whose Nest Is Best?

By Heidi E.Y. Stemple Illustrated by Gareth Lucas BB: 9781665917087 Grades P-K | Ages 1-5



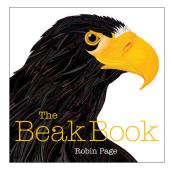
**Fourteen Monkeys** 

By Melissa Stewart Illustrated by Steve Jenkins HC: 9781534460393 Grades P-3 | Ages 3-8 Lexile\* AD850L



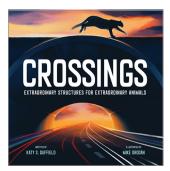
Rock by Rock

By Jennifer Bradbury Illustrated by Sam Boughton HC: 9781481481823 Grades P-3 | Ages 4-8 Lexile® AD870L



The Beak Book

By Robin Page HC: 9781534460416 Grades P-3 | Ages 3-8 Lexile® AD840L



Crossings

By Katy S. Duffield Illustrated by Mike Orodán HC: 9781534465794 Grades P-3 | Ages 3-8 Lexile® AD1080L



You Are Home

By Evan Turk HC: 9781534432826 Grades P-3 | Ages 4-8 Lexile® NP



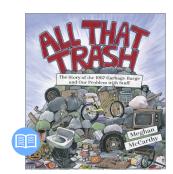
Heartbeat

By Evan Turk HC: 9781481435208 Grades P-3 | Ages 4-8 Lexile® AD280L



The Honeybee

By Kirsten Hall Illustrated by Isabelle Arsenault HC: 9781481469975 Grades P-3 | Ages 4-8 Lexile\* AD480L



**All That Trash** 

By Meghan McCarthy HC: 9781481477529 Grades P-3 | Ages 4-8 Lexile\* 800L



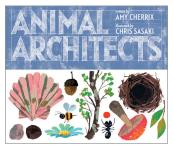
What Do They Do with All That Poo?

By Jane Kurtz Illustrated by Allison Black HC: 9781481479868 Grades P-3 | Ages 3-8 Lexile® AD910L



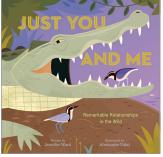
Fur, Feather, Fin-All of Us Are Kin

By Diane Lang Illustrated by Stephanie Laberis HC: 9781481447096 Grades P-3 | Ages 3-8 Lexile® AD590L



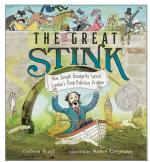
**Animal Architects** 

By Amy Cherrix Illustrated by Chris Sasaki HC: 9781534456259 Grades P-3 | Ages 3-8 Lexile\* AD780L



Just You and Me

By Jennifer Ward Illustrated by Alexander Vidal HC: 9781534460980 Grades P-3 | Ages 3-8 Lexile\* AD840L



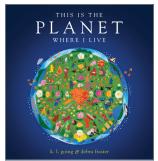
The Great Stink

By Colleen Paeff Illustrated by Nancy Carpenter HC: 9781534449299 Grades P-3 | Ages 4-8 Lexile® AD950L



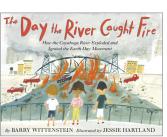
When the Sky Glows

By Nell Cross Beckerman Illustrated by David Litchfield HC: 9781534450394 Grades P-3 | Ages 4-8 Lexile\* AD920L



This Is the Planet Where I Live

By K. L. Going Illustrated by Debra Frasier HC: 9781481465632 Grades P-3 | Ages 4-8 Lexile® AD610L



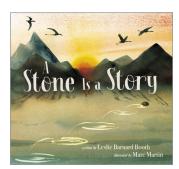
The Day the River Caught Fire

By Barry Wittenstein Illustrated by Jessie Hartland HC: 9781534480834 Grades P-3 | Ages 4-8 Lexile\* AD650L



Our Blue Planet

By Leisa Stewart-Sharpe Illustrated by Emily Dove HC: 9781665928021 Grades P-3 | Ages 4-8



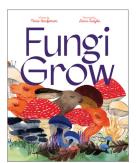
A Stone Is a Story

By Leslie Barnard Booth Illustrated by Marc Martin HC: 9781534496941 Grades P-3 | Ages 4-8



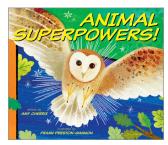
The Snow Man

By Jonah Winter
Illustrated by Jeanette Winter
HC: 9781665932394
Grades Up to 3 | Ages Up to 8



**Fungi Grow** 

By Maria Gianferrari Illustrated by Diana Sudyka HC: 9781665903653 Grades Up to 3 | Ages Up to 8



**Animal Superpowers** 

By Amy Cherrix
Illustrated by Frann Preston-Gannon
HC: 9781534456280
Grades P-3 | Ages 3-8
Available lune 2024



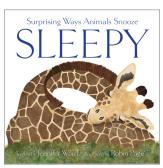
#### Saturdays at Harlem Grown

By Tony Hillery Illustrated by Jessie Hartland HC: 9781665929783 | EB: 9781665929790 Grades P-3 | Ages 4-8



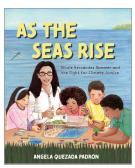
#### **Brave Baby Hummingbird**

By Sy Montgomery Illustrated by Tiffany Bozic HC: 9781665918497 | EB: 9781665918503 Grades P-3 | Ages 4-8 Available March 2024



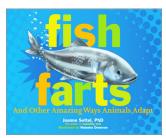
Sleepy

By Jennifer Ward
Illustrated by Robin Page
HC: 9781665935104 | EB: 9781665935111
Grades Up to 3 | Ages Up to 8



As the Seas Rise

By Angela Quezada Padron HC: 9781665913942 | EB: 9781665913959 Grades P-3 | Ages 4-8



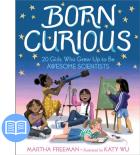
#### Fish Farts

By Joanne Settel Illustrated by Natasha Donovan HC: 9781665918831 | EB: 9781665918848 Grades P-3 | Ages 4-8 Available July 2024



#### Planting Hope

By Philip Hoelzel Illustrated by Renato Alarcão HC: 9781534477650 | EB: 9781534477667 Grades 1-4 | Ages 6-9 Available March 2024



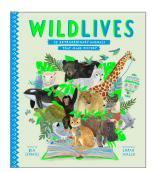
#### **Born Curious**

By Martha Freeman Illustrated by Katy Wu HC: 9781534421530 Grades 2-7 | Ages 7-12 Lexile \* 1000L



#### How Do Meerkats Order Pizza?

By Brooke Barker HC: 9781665901604 | PB: 9781665901611 Grades 3-7 | Ages 8-12 Lexile® 680L



#### WildLives

By Ben Lerwill Illustrated by Sarah Walsh HC: 9781534454842 Grades 3 & Up | Ages 8 & Up Lexile \* 1020L



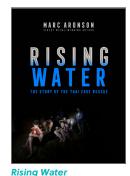
#### The Impossible First

By Colin O'Brady HC: 9781534461987 | PB: 9781534461994 Grades 5 & Up | Ages 10 & Up Lexile® 1130L



#### Make Your Mark, Make a Difference

By Joan Marie Galat HC: 9781582708454 | PB: 9781582708447 EB: 9781665910354 Grades 5 & Up | Ages 10 & Up



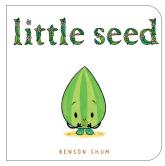
#### By Marc Aronson

By Marc Aronson HC: 9781534444133 | PB: 9781534444140 Grades 5−9 | Ages 10−14 Lexile\* 1090L | Fountas & Pinnell™ Z

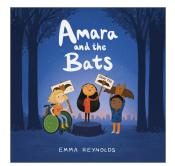
## Fiction to Spark Environmental Conversations!



Denotes reading group guide/ curriculum guide available on SimonandSchuster.net.



Little Seed
By Benson Shum
BB: 9781665902946
Grades P-K | Ages 1-5



Amara and the Bats By Emma Reynolds HC: 9781534469013 Grades P-3 | Ages 4-8 Lexile® AD820L

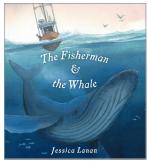


This Pretty Planet
By Tom Chapin and John Forster
Illustrated by Lee White
HC: 9781534445321
Grades P-3 | Ages 4-8
Lexile\* AD360L

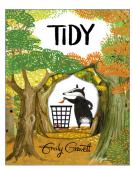


Hundred Feet Tall

By Benjamin Scheuer
Illustrated by Jemima Williams
HC: 9781534432192
Grades P-3 | Ages 4-8
Lexile\* AD510L



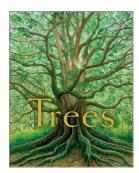
The Fisherman & the Whale
By Jessica Lanan
HC: 9781534415744
Grades P-3 | Ages 4-8



Tidy
By Emily Gravett
HC: 9781481480192
Grades P-3 | Ages 4-8
Lexile® AD590L



Feel the Fog
By April Pulley Sayre
HC: 9781534437609
Grades P-3 | Ages 3-8
Lexile \* AD380L



Trees
By Tony Johnston
Illustrated by Tiffany Bozic
HC: 9781534475175
Grades P-3 | Ages 4-8
Lexile\* AD360L



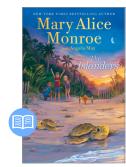
Wildfire!
By Ashley Wolff
HC: 9781534487734
Grades P-3 | Ages 3-8
Lexile\* AD620L



Back to Nature
By Rachele Alphine
Illustrated by Addy Rivera Sonda
HC: 9781534475397 | PB: 9781534475380
EB: 9781534475403
Grades 2-5 | Ages 7-10
Lexile\* AD610L | Fountas & Pinnell\*\* M



Saltwater Secrets
By Cindy Callaghan
HC: 9781534417441 | PB: 9781534417434
Grades 4–8 | Ages 9–13
Lexile\* 640L



The Islanders
By Mary Alice Monroe
With Angela May
HC: 9781534427273 | PB: 9781534427280
Grades 3-7 | Ages 8-12
Levile\* 5501



Search for Treasure
By Mary Alice Monroe
With Angela May
HC: 9781534427303 | PB: 9781534427310
Grades 3-7 | Ages 8-12
Lexile\* 610L



Shipwrecked

By Mary Alice Monroe
With Angela May
HC: 9781665933001 | EB: 9781665933025
Grades 3-7 | Ages 8-12

Application Line 2021



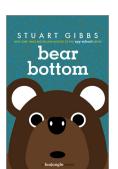
Arrow

By Samantha M. Clark
HC: 9781534465978 | PB: 9781534465985
Grades 3-7 | Ages 8-12
Lexile\* 6101



Hawai'i Sea Turtle Rescue

By Fabien Cousteau and James O. Fraioli Illustrated by Joe St.Pierre POB: 9781534420960 | HC: 9781534420977 Grades 3-7 | Ages 8-12 Lexile® GN680L



**Bear Bottom** Book 7 of FunJungle

By Stuart Gibbs HC: 9781534479463 | PB: 9781534479470 Grades 3-7 | Ages 8-12 Lexile® 820L

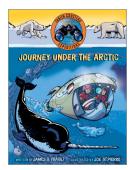


**Big Game Book 3 of FunJungle** 

**Bv Stuart Gibbs** HC: 9781481423335 | PB: 9781481423342 Grades 3-7 | Ages 8-12 Lexile® 740L | Fountas & Pinnell™ V

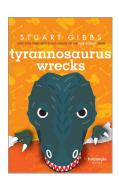


**Finding Normal** By Stephanie Faris HC: 9781665938907 | EB: 9781665938921 Grades 4-8 | Ages 9-13



**Journey under the Arctic** 

By Fabien Cousteau and James O. Fraioli Illustrated by Joe St.Pierre POB: 9781534420908 | HC: 9781534420915 Grades 3−7 | Ages 8−12 Lexile® GN800L | Fountas & Pinnell™ V



**Tyrannosaurus Wrecks** Book 6 of FunJungle

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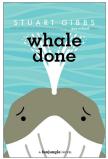


**Belly Up** Book 1 of FunJungle

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By Neal Shusterman and Jarrod Shusterman HC: 9781481481960 | PB: 9781481481977 Grades 7 & Up | Ages 12 & Up Lexile® 790L | Fountas & Pinnell™ Z+



Whale Done **Book 8 of FunJungle** By Stuart Gibbs

HC: 9781534499317 | PB: 9781534499324 Grades 3-7 | Ages 8-12 Lexile® 840L



Panda-monium **Book 4 of FunJungle** 

By Stuart Gibbs HC: 9781481445672 | PB: 9781481445689 Grades 3-7 | Ages 8-12 Lexile® 780L | Fountas & Pinnell™ W



The Mutant Mushroom Takeover

By Summer Rachel Short HC: 9781534468658 | PB: 9781534468665 Grades 4-7 | Ages 9-12 Lexile ° 670L



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# #KidLit4Climate Authors & Illustrators for the Environment!

#### SHARING RESOURCES FOR KIDS TO PARTICIPATE

Emma Reynolds, illustrator of Rescuing Mrs. Birdley and author/illustrator of Amara and the Bats, started the #KidLit4Climate campaign, bringing together thousands of children's illustrators and authors from more than fifty countries in solidarity with the youth climate strikes. For more information, visit EmmaReynoldsIllustration.com/KidLit4Climate.



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"The cormorant dives and snags a fish with its hooked beak. Then the bird comes to the surface and flips its prey into its mouth. The shoebill stork's large, heavy beak is perfect for crushing lungfish, catfish, and the occasional lizard or baby crocodile."

Excerpted from *The Beak Book*, written and illustrated by Robin Page (Grades P-3; Ages 3-8)

"'My government has failed to take steps to regulate and reduce greenhouse gas emissions, which are causing extreme climate conditions,' Ridhima [Pandey] told a newspaper [after filing a petition against the government of India]. 'This will impact both me and future generations.' Ridhima began to worry about climate change in 2013 when she was five years old. Uttarakhand, the northern Indian state where Ridhima lives, is in the foothills of the Himalayan Mountains. In June 2013, flash floods and landslides in her state killed hundreds of people and left thousands homeless...Ridhima learned that the flooding was caused by some of the most powerful monsoons in modern history. A monsoon is a period of wind and rain in the Indian Ocean that sweeps over countries in southern Asia. Scientists believe that climate change has led to bigger and more dangerous monsoons."

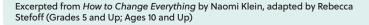
Excerpted from Kids Who Are Saving the Planet by Laurie Calkhoven, illustrated by Monique Dong (Grades 1-3; Ages 6-8)

"Over, under, across, through. Around the world, construction crews build overpasses, underpasses, bridges, and tunnels—ways for people to get from one place to another. But what about the animals that live in these places? What happens when construction spreads over, under, across, through their habitats? Around the world, in search of solutions, animal lovers come together...Construction crews work again. But these structures aren't for traveling people. They're for traveling animals...The Trans-Canada Highway is home to more than forty wildlife overpasses and underpasses. And the crossings don't just benefit elk. Bears, wolves, cougars, bighorn sheep, and other animals use the crossings too."

Excerpted from Crossings by Katy S. Duffield, illustrated by Mike Orodán (Grades P-3; Ages 3-8)



"A reef-killing event called a mass bleaching had the Great Barrier Reef in its grip. Bleachings happen at times of high water temperature. The living corals turn ghostly and bone-white. They can return to normal if temperatures quickly go back down to lower levels. In the spring of 2016, though, temperatures had stayed high for several months. A quarter of the reef had died and turned into a brown goo of decay...The water of the Pacific Ocean didn't have to warm very much to cause this massive die-off at the Great Barrier Reef. Ocean temperatures went up just 1.8 degrees Fahrenheit, or 1 degree Celsius, past the levels at which these corals can live...Food and income for a billion or so people around the world come from the fish that depend on coral reefs. When reefs die, the loss reaches far."







"In 2018, the temperature [in Sweden] reached record highs, the highest ever recorded in 262 years. While warm temperatures can be nice for people who aren't familiar with global warming, thirty-three fires are a real problem that everybody understands. Wildfires can be catastrophic. And that summer there were lots of wildfires in Scandinavia. Fires were burning everywhere, even in the remote north. In the region called Lapland, something occurred that had never happened before: more than sixty fires devastated entire forests. This was partly due to the high temperatures, the dry climate, and the fact that it hadn't rained in almost two months...They were unprepared for the fires. Volunteers, helicopters, and even the army were called in, but the blazes seemed unstoppable...The temperature rose to 30°C (86°F), an unbelievable temperature for freezing Lapland, which spends most of the year under a blanket of snow. Everyone talked about what was going on. Newspapers with dramatic headlines arrived in the shops, but no one did anything practical. No one except Greta."

Excerpted from *Greta's Story* by Valentina Camerini, illustrated by Veronica Carratello, translated by Moreno Giovannoni (Grades 3 – 7; Ages 8 – 12)