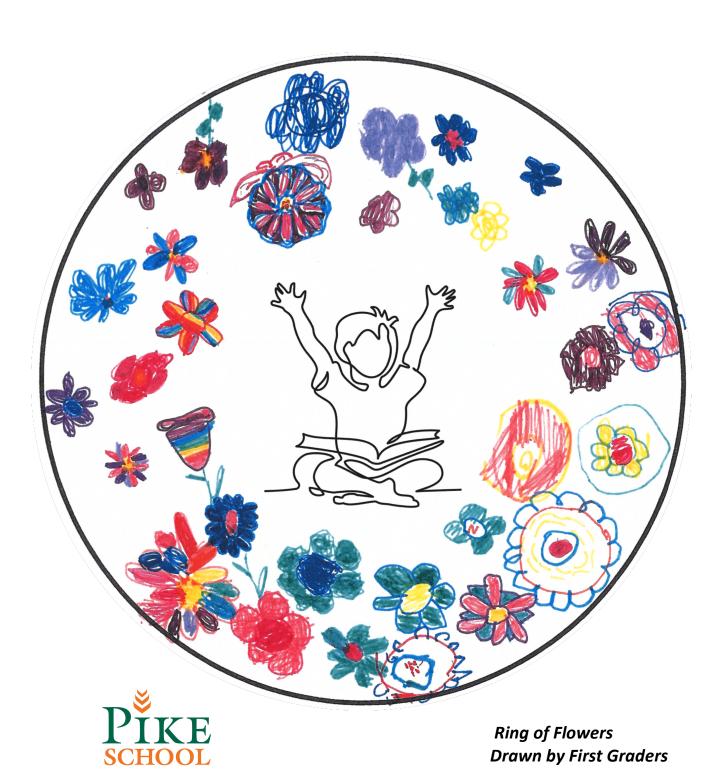
SummerReads

Middle School Summer 2019



Hello Pike Middle School Students!

Welcome to this year's edition of *SummerReads*, a list of reading ideas with a wide variety of genres and formats chosen especially for you. We update *SummerReads* each year with new titles, student favorites, and a commitment to sharing stories by all kinds of authors and illustrators.

Visit the library's website (<u>pikeschool.org/academics/library</u>) for the online version of *SummerReads* and more lists of book suggestions. During the summer, we will be sharing more ideas for reading fun on our literature blog, **Open Books, Open Minds.** Your family can subscribe at http://blogs.pikeschool.org/openbook/ to get the latest updates.

Your local public library is a great place to check out this summer, either in person or online. This summer's theme, "A Universe of Stories," celebrates the 50th anniversary of the Apollo 11 moon landing. Libraries around the country are planning fantastic science programs.

Summer is an exciting season. We hope you enjoy every minute.

Mrs. Mellin

Mrs. Moulson

Ms. Spence

And the Winner is...

Awards are listed next to some titles in *SummerReads*. These are given by the American Library Association to recognize excellence in children's literature. For more information, visit www.ala.org. Here's a brief description of each award.

American Indian Youth Literature Award: honoring work by and about American Indians and Alaska Natives

Asian/Pacific American Award for Literature: honoring work about Asian/Pacific American heritage

Mildred L. Batchelder Award: outstanding book published internationally

Pura Belpré Award: excellent portrayal of the Latinx experience

Randolph Caldecott Award: distinguished illustration

Coretta Scott King Book Award: appreciation of African American culture

John Newbery Award: distinguished writing

Schneider Family Award: artistic expression of the disability experience

Robert F. Sibert Informational Book Medal: distinguished informational book

Stonewall Award: exceptional merit relating to the GLBT experience

Sydney Taylor Book Award: authentic portrayal of the Jewish experience

Recommended by Grade 5 Students!

Iron Thunder by Avi

~ review by Alex

Are you interested in the Revolutionary War? Ben, a boy in a poor family, goes on a ship in the adventure of a lifetime. In this book, there's bravery, gold coins, and a battle.

Are You There, God? It's Me, Margaret by Judy Blume

~ review by Camille

Margaret talks with God all the time. Will her faith help her at a new school and with friends? I enjoyed the different traits of each character.

Shortstop from Tokyo by Matt Christopher

~ review by Hunter

Sam Suzuki is a very good shortstop from Tokyo. Stogie doesn't want Sam to take his place at short. The author shows good details about characters' thoughts and feelings.

License to Thrill (Genius Files series) by Dan Gutman

~ review by Reese

Do you like action, ciphers, and snakes? If you're one of those people who hate reading but love explosions and other cool stuff then I recommend this book.

Checked by Cynthia Kadohata

~ review by Julia

Conor's life is dedicated to hockey. When something tragic happens to his dog, Sinbad, Conor decides to take a break from hockey to pay for Sinbad's care.

The Merchant of Death (Pendragon series) by D.J.MacHale

~ review by Jaelyn

This fantasy is incredibly exciting, with fight scenes in a parallel universe you've never imagined before. MacHale offers a book full of magic, suspense, love, betrayal, and laughs.

The Candy Shop Wars by Brandon Mull

~ review by Samara

One day, Nate, Trevor, Pigeon and Summer decide to get candy from a store that could change their life forever. This book is filled with humor, mystery, curiosity...and magic.

La Belle Sauvage by Phillip Pullman

~ review by Ishaan

I liked the action and suspense, and how when you think something is going to happen the opposite does. I also liked the British style that is very different.

Holes by Louis Sachar

~ review by Lorenzo

"The second hole is the hardest," X-ray said to Stanley, who is at a camp for kids who have done bad things. In this story, the author adds events that keep changing your predictions.

Stick Cat: A Tale of Two Kitties by Tom Watson

~ review by Haley

Why does Edith think that she's so smart, when Stick Cat is way smarter? I liked that the author would build up tension and then say something funny.

Millicent Min, Girl Genius by Lisa Yee

~ review by Hazel

"I have been accused of being an overachiever and a compulsive perfectionist, like those are bad things." The author made every page of the book humorous and exciting.

New and Recommended

Sweep: The Story of a Girl and her Monster by Jonathan Auxier, 2018

After her father's disappearance, Nan works as a "climbing boy " aiding chimney sw

Fantasy

After her father's disappearance, Nan works as a "climbing boy," aiding chimney sweeps, but when her most treasured possessions end up in a fireplace, she unwittingly creates a golem. Winner of the 2019 Sydney Taylor Award.

The Storm Runner by Jennifer Cervantes, 2018

Fantasy

Non-stop action meets Mayan mythology in a fabulous new series. Zane confronts his destiny after accidentally releasing an imprisoned troublemaking god...whoops!

Duel at Araluen by John Flanagan, 2019

Fantasy

Latest in the *Ranger's Apprentice: The Royal Ranger* series. Castle Araluen is under seige, and it's up to Maddie to rescue her Ranger colleagues and take on the Red Fox Clan.

The Chupacabras of the Rio Grande by Adam Gidwitz, 2019

Fantasy

Uchenna and Elliot are off to the U.S. - Mexican border with the mysterious Professor Fauna in the latest *Unicorn Rescue Society* adventure from this year's visiting author.

The Journey of Little Charlie by Christopher Paul Curtis, 2018

Historical

To pay a debt, Charlie is forced to travel north with evil plantation overseer Cap'n Buck to retrieve "stolen property." Along the way, he realizes how divided 1850s America is.

Louisiana's Way Home by Kate DiCamillo, 2018

Historical

Abandoned by her grandmother, Louisiana forges her own way without her steadfast friends, Raymie and Beverly. A companion novel to *Raymie Nightingale*.

The Book of Boy by Catherine Murdock, 2018

Historical

In 1350, a boy with a large hump on his back becomes the servant of a shadowy pilgrim on his way to Rome, who pulls the boy into a dangerous expedition across Europe to gather the seven precious relics of Saint Peter. A 2019 Newbery Honor book.

Be Prepared by Vera Brosgol, 2018

Humor

In this graphic novel memoir, the author relates her experience at Russian summer camp.

Diary of an Awesome Friendly Kid by Jeff Kinney, 2019

Humo

Greg's best friend, Rowley, finally gets to tell his own story - but as usual, Greg takes over, with hilarious results. A must for *Wimpy Kid* fans.

It's the End When I Say It's the End by Stephen Pastis, 2018

Humor

The hilarious series finale of the hapless Timmy Failure and his detective agency.

The Truth as Told by Mason Buttle by Leslie Connor, 2018

Mystery

Mason may be dyslexic, but he's a steadfast friend. Will he be able to help the police find his new friend Calvin, who has gone missing?

Mr. Lemoncello's All-Star Breakout Game by Chris Grabenstein, 2019

Mystery

The latest action-packed addition to the Mr. Lemoncello series.

Hidden Figures: The Untold Story of the Black Women Mathematicians who
Helped Win the Space Race by Margot Lee Shetterly, 2017

An illustrated adaptation of the adult biography and the movie of the same name.

The Girl Who Drew Butterflies: How Maria Merian's Art Changed Science by
Joyce Sidman, 2018
Learn about this trail-blazing scientist in this beautifully illustrated biography.

Share Your Smile: Raina's Guide to Telling Your Own Story by Raina
Telgemeier, 2019
Try your hand at creating stories with this interactive journal from the author of the popular graphic memoir, Smile.

Breathe and Rei A Book of Mindfulness Poems by Kate Coombs, 2018

Poetry

Breathe and Be: A Book of Mindfulness Poems by Kate Coombs, 2018 Poetry
Take this book outside and enjoy a calming afternoon with a summer breeze.

Can I Touch Your Hair? Poems of Race, Mistakes, and Friendship by Irene
Latham, 2018

Poetry

Two very different fifth-graders learn about each other while working on a project.

Maybe a Mermaid by Josephine Cameron, 2019

Anthoni Gillis is ready to stop traveling around the country with her mother, but the broken-down Showboat Resort isn't what she had in mind for a summer break.

The Friendship War by Andrew Clements, 2019

Grace starts a vintage-button fad at school, with unexpected results.

Realistic

The Remarkable Journey of Coyote Sunrise by Dan Gemeinhart, 2019 Realistic Twelve-year-old Coyote and her father rush to Poplin Springs, Washington, in their old school bus to save a memory box buried in a park that will soon be demolished.

The Lost Boy's Gift by Kimberly Willis Holt, 2019

Nine-year-old Daniel is sad about his boring neighborhood, until he makes friends with Tilda, who may or may not have magical gifts.

Merci Suárez Changes Gears by Meg Medina, 2018

At her new school, Merci tries to figure out the difference between being popular and having friends. Winner of the 2019 Newbery Medal.

Revenge of the Sis by Jarrett Krosoczka, 2019

Christina Starspeeder is up against all kinds of new challenges at the advanced Jedi Academy. Can she keep up? The latest in the Star Wars Jedi Academy series.

Frank Einstein and the Space-Time Zipper by Jon Scieszka, 2018 Science Fiction Frank, Watson, Klink, and Klank battle their arch-rival Edison in this zany adventure.

Rebound by Kwame Alexander

It's 1988, and Charlie's father has died unexpectedly. While spending the summer with his grandparents, he discovers a love for basketball. Prequel to *The Crossover*, winner of the 2015 Newbery Medal.

MVP Summer (Gabby Garcia's Ultimate Playbook) by Iva-Marie Palmer, 2018 Sports Gabby is psyched to have the best summer ever now that she has been invited to play on an elite baseball team – but curveballs are in her future. Will she strike out?

Lu (Track, Book 4) by Jason Reynolds, 2018

Lu has always felt different — not only is he albino, he was his parents' miracle. As his track team prepares for the championship, he must contend with unexpected challenges.

You will want to read about the other members of the team in Ghost, Sunny, and Patina.

Fiction

Fantasy

The Enchanted Sisters series Elise Allen

Wishtree (2017) Katherine Applegate
Peter Nimble and His Fantastic Eyes (2011) Jonathan Auxier
Circus Mirandus (2015) Cassie Beasley

Serafina series Robert Beatty

The Serpent's Secret (2018)

Ranger's Apprentice series

The Graveyard Book (2009 Newbery Medal)

Handbook for Dragon Slayers (2014 Schneider Book Award)

Sayatani DasGupta

John Flanagan

Neil Gaiman

Merrie Haskell

The Mighty Odds (2017) Amy Ignatow

Earwig and the Witch (2014)

When the Sea Turned to Silver (2017)

Diana Wynne Jones

Grace Lin

Whatever After series Sarah Mlynowski

Pax (2016) Sara Pennypacker

West of the Moon (2015)

Magnus Chase and the Gods of Asgard series

Harry Potter series

Margi Preus

Rick Riordan

J. K. Rowling

Echo (2016 Newbery Honor) Pam Muñoz Ryan

The Septimus Heap series Angie Sage
Secrets of the Immortal Nicholas Flamel series Michael Scott
Orphan Island (2017) Laurel Snyder

The Fairyland series Catherynne Valente

Dragon's Guide series Laurence Yep

Historical Fiction

Curiosity (2014) Gary Blackwood

The Mighty Miss Malone (2012) Christopher Paul Curtis

It Ain't So Awful, Falafel (2016)

The Birchbark House series

Firoozeh Dumas

Louise Erdrich

90 Miles to Havana (2011 Belpré Honor) Enrique Flores-Galbis

The Inquisitor's Tale: Or, the Three Magical Children and their Holy Dog Adam Gidwitz

(2017 Newbery Honor, Taylor Award)

Ahimsa (2017)

Mister Orange (2014 Batchelder Award)

A Soldier's Secret: The Incredible True Story of Sarah Edmonds, a Civil

Marissa Moss

A Soldier's Secret: The Incredible True Story of Sarah Edmonds, a Civil

War Hero (2013)

A Night Divided (2015)

The Marvels (2015)

I Survived...series

Jennifer Nielsen
Brian Selznick
Lauren Tarshis

Humor

Guys Read: Funny Business (2010)

Origami Yoda series

Lowriders to the Center of the Earth (2017 Belpré Award) The Legend of Diamond Lil: A J.J. Tully Mystery (2012)

The Key that Swallowed Joey Pigza (2015)

Charlie Joe Jackson's Guide to Not Reading (2011)

Unusual Chickens for the Exceptional Poultry Farmer (2015)

43 Old Cemetery Road series

The Grand Plan to Fix Everything (2011)

Platypus Police Squad series

Gum Girl series

Timmy Failure series My Life as a Joke (2017)

Dog Man series

Alcatraz versus the Evil Librarians series

Frank Einstein series
My Life as a ... series

Tom Angleberger

Cathy Camper Doreen Cronin

Jack Gantos

Tom Greenwald

Kelly Jones

Kate Klise

Uma Krishnaswami Jarrett Krosoczka Rhode Montijo Stephan Pastis James Patterson

Dav Pilkey

Brendan Sanderson

Jon Scieszka Janet Tashjian

Mystery and Adventure

Mary Bowser and the Civil War Spy Ring (2016)

Pieces and Players (2015) The Sherlock Files series

Doll Bones (2014 Newbery Honor) *The Eerie Elementary* series

Finding Mighty (2017)

Recipe for Adventure series

FunJungle series

Mr. Lemoncello's Library series

Hoot (2003 Newbery Honor)

Charlie and Frog: A Mystery (2018)

Masterminds (2015) Robyn Hoodlum series The Candymakers (2010)

Tiger Boy (2015) Nick and Tesla series Chronicles of Egg series

Fuzzy Mud (2015)

The Creeping Shadow (Lockwood & Co. series)

Secret Coders series

Enigma Aberti

Blue Balliett Tracy Barrett

Holly Black Jack Chabert

Sheela Chari

Giada DeLaurentiis Stuart Gibbs

Chris Grahansta

Chris Grabenstein

Carl Hiaasen Karen Kane

Gordon Korman Kekla Magoon Wendy Mass

Mitali Perkins Bob Pflugfelder Geoff Rodkey

Louis Sachar

Jonathan Stroud Gene Luen Yang

Realistic

Dancing Home (2011)

Lucky Broken Girl (2018 Belpré Award)

Because of Mr. Terupt series

Moo (2016)

The Lemonade War series

Out of My Mind (2010)

Mikis and the Donkey (2015 Batchelder Award)

Operation Redwood (2009)

George (2016 Stonewall Book Award)

Dyamonde Daniel series

Roller Girl (2016 Newbery Honor)

My Beijing: Four Stories of Everyday Wonder (2019 Batchelder Honor)

Hello Universe (2018 Newbery Award)

Restart

This Would Make a Good Story Someday (2017)

In the Footsteps of Crazy Horse

(2016 American Indian Youth Literature Award)

Rain Reign (2015 Schneider Book Award)

Mission Mumbai (2016)

The Turtle of Oman (2014)

Wonder (2012)

The Red Pencil (2015)

Wonderstruck (2012 Schneider Book Award)

The Great Wall of Lucy Wu (2012 Asian/Pacific American Book Award)

Jake and Lily (2012)

When You Reach Me (2010 Newbery Medal)

Clayton Byrd Goes Underground (2017)

The Midnight War of Mateo Martinez (2016)

Alma Flor Ada

Ruth Behar

Rob Buyea

Sharon Creech

Jacqueline Davies

Sharon Draper

Bibi Dumon Tak

Terrell French

Alex Gino

Nikki Grimes

Victoria Jamieson

Nie Jun

Erin Entrada Kelly

Gordon Korman

Dana Alison Levy

Joseph Marshall III

Ann M. Martin

Mahtab Narsimhan

Naomi Shihab Nye

R. J. Palacio

Andrea Davis Pinkney

Brian Selznick

Wendy Shang

Jerry Spinelli

Rebecca Stead

Rita Williams-Garcia

Robin Yardi

The Reading Without Walls Challenge



Read a book about a character who doesn't look like you or live like you



Read a book about a topic you don't know much about



Read a book in a Format that you don't normally read For Fun (a chapter book, a graphic novel, a book in verse, etc)





Science Fiction

The Wild Robot (2016) Peter Brown Space Station Rat (2016) Michael Daley The Boy from Tomorrow (2018) Camille DeAngelis Star Wars: The Adventures of Luke Skywalker (2014) Tony DiTerlizzi City of Ember (2011) Jeanne Duprau Peggy Eddleman Sky Jumpers (2014) **Stuart Gibbs** Space Case (2014) Found series Margaret Haddix Aliens on Earth (2017) Wendy Mass Todd Mitchell The Last Panther (2017) Galaxy Zack series Ray O'Ryan **Ronald Smith** Black Panther: The Young Prince (2018) Rebecca Stead First Light (2016) **Robert Weston** Zorgamazoo (2016)

Classics

Charlie and the Chocolate Factory (1964)

Teammates (1990)

M.C. Higgins, the Great (1975 Newbery Medal)

Finn Family Moomintroll series

La Mariposa (1998)

The Phantom Tollbooth (1961)

From the Mixed-up Files of Mrs. Basil E. Frankweiler

(1968 Newbery Medal)

Roald Dahl

Peter Golenbock

Virginia Hamilton

Tove Jansson

Francisco Jiménez

Norton Juster

E. L. Konigsburg

(1966 Newbery Medai)

King Arthur: Sir Thomas Malory's History of King Arthur and his Knights Sidney Lanier

of the Round Table (2018 ed.)

Catwings (1988)

A Wrinkle in Time (1963 Newbery Medal)

Ursula Le Guin

Madeleine L'Engle

John Henry (1995 Caldecott Honor)Julius LesterThe Chronicles of Narnia seriesC. S. LewisAll About Sam (1988)Lois Lowry

Beauty: A Retelling of Beauty and the Beast (1978)

Anne of Green Gables series

L. M. Montgomery

Mrs. Frisby and the Rats of NIMH (1972 Newbery Medal)

The Great Gilly Hopkins (1979 Newbery Honor)

Robert O'Brien

Katherine Paterson

Hatchet (1989 Newbery Honor)Gary PaulsenThe Keeping Quilt (1988)Patricia Polacco

Tar Beach (1992 Caldecott Honor) Faith Ringgold
Baseball in April and Other Stories (1996 Belpré Honor) Gary Soto

Charlotte's Web (1953 Newbery Honor) E. B. White

Graphic Novels, Graphic Non-fiction

El Deafo (2015 Newbery Honor)

Bad Guys series

Galactic Hot Dogs series

Nathan Hale's Hazardous Tales series

The Dragon Slayer: Folktales from Latin America (2017)

Amulet series
Lunch Lady series

Cleopatra in Space series

Around the World: Three Remarkable Journeys (2011)

The Adventures of John Blake: Mystery of the Ghost Ship (2017)

Lumberjanes series

Nnewts series

Amazing Greek Myths of Wonder and Blunders (2014)

Robot Dreams (2016)

Superman series

Cece Bell

Aaron Blabey Max Brallier

Nathan Hale

Jaime Hernandez

Kazu Kibuishi

Jarrett Krosoczka

Mike Maihack

Matt Phelan

Phillip Pullman

Noelle Stevenson

Doug TenNapel

Michael Townsend

Sara Varon

Gene Luen Yang

Sports

The Playbook (2017)

A Whole New Ballgame (2016)

The Warriors (2003)

Serena Williams (2017)

Mo'ne Davis: Remember My Name; My Story from First

Pitch to Game Changer (2015)

Ten: A Soccer Story (2015)

Left Out (2016)

Roberto and Me (Baseball Card Adventures series)

The Gold Medal Mess (2016)

Power Forward (2018)

Step Up to the Plate, Maria Singh

(2018 Asian/Pacific American Book Award)

Comeback Kids series

Team Jake Maddox series

Win or Lose (The Kicks series)

Storm Cliff Stables series

Arcady's Goal (2015)

Kwame Alexander

Phil Bildner

Joseph Bruchac

Matt Christopher

Mo'ne Davis

Shamini Flint

Tim Green

Tilli Green

Dan Gutman

David A. Kelly

Hena Khan

Uma Krishnaswami

Mike Lupica

Jake Maddox

Alex Morgan

Lisa Mullarkey

Eugene Yelchin



Non-Fiction

Animal Ark: Celebrating Our Wild World in Poetry and Pictures (2017) Kwame Alexander Boys Dancing: From School Gym to Theater Stage (2017) George Ancona Ivan: The Remarkable True Story of the Shopping Mall Gorilla (2014) Katherine Applegate Buried Sunlight: How Fossil Fuels Have Changed the Earth (2014) **Molly Bang** Farmer Will Allen and the Growing Table (2013) Jacqueline Briggs Older Than Dirt: A Kinda-Sorta Biography of Earth (2017) Don Brown Grand Canyon (2018 Caldecott Honor and Sibert Honor) Jason Chin The Story of Buildings: From the Pyramids to the Sydney Opera House Patrick Dillon and Beyond (2014) Cooking Step by Step (2018) **DK Publishing** The Superhero Comic Kit (2015) Jason Ford Be the Change: A Grandfather Gandhi Story (2016) Arun Gandhi Calling All Minds: How to Think and Create Like an Inventor (2018) **Temple Grandin** Guinness World Records: Amazing Animals (2017) **Guinness Publishers** Mission to Space (2018 American Indian Youth Literature Award) John Herrington

Top Secret: A Handbook of Codes, Ciphers, and Secret Writing (2004)

Tales from the Arabian Nights (2016)

Kids' Guide to Hiking (2018, Ranger Rick Kids' Guides)

Mummies and Pyramids (2017, Magic Tree House Fact Tracker)

The 1500 Animatian Result Makes Years (2015)

Paul Janeczko

Donna Jo Napoli

Helen Olsson

Will Osborne

The LEGO Animation Book: Make Your Own LEGO Movies (2016)

The Girl Who Ran: Bobbi Gibb, the First Woman to Run the Boston

Marathon (2017)

David Pagano

Frances Poletti

A Boy and a Jaguar (2015 Schneider Award)

Mesmerized: How Ben Franklin Solved a Mystery that Baffled All of

Mara Rockliff

France (2017)

How to be an Elephant: Growing up in the African Wild

Every Month is a New Year: Celebrations Around the World (2018)

Pride: The Story of Harvey Milk and the Rainbow Flag (2018)

Math-terpieces: The Art of Problem-Solving (2003)

Katherine Roy

Marilyn Singer

Rob Sanders

Greg Tang

Separate is Never Equal: Sylvia Mendez and Her Family's Fight for Duncan Tonatiuh

Desegregation (2015 Belpré Honor)

The World is Not a Rectangle: A Portrait of Architect Zaha Hadid (2017)

Brown Girl Dreaming (2015 King, Newbery, Sibert Awards)

Jeanette Winter Jacqueline Woodson



Expand your reading options with **Sora**, our e-book and digital audio collection from the Massachusetts Library System!



Start a Summer Book Club!



There are so many fabulous stories that take place in summertime. We've listed some of our favorites below that are perfect for sharing with family and friends. Why not start a book club to read together and share your ideas? Don't forget the snacks!

All books are also available on audio.

The Penderwicks: A Summer Tale of Four Sisters, Two Rabbits, and a Very Interesting Boy by Jeanne Birdsall, 2005.

Spending the summer at a cottage in the Berkshires sounds like heaven to Rosalind, Skye, Jane, and Batty, and they quickly make friends with Jeffrey – until his snobby mother intervenes. Enjoy more adventures with the Penderwicks in the rest of the series.

Crunch by Leslie Connor, 2010.

Dewey and his siblings have a major problem: there's a nationwide fuel shortage, and his parents aren't able to return home to run the family bike-repair business. On the flip side, business has never been better – since no one can buy gas, bikes are essential transportation, even on the Turnpike!

Dead End in Norvelt by Jack Gantos. 2012 Newbery Medal winner.

It's the summer of 1962, and Jack has just been grounded for the entire summer for firing a World War II rifle. That's not going to stop this crazy kid from getting into more trouble as he tries to solve the mystery of why the town's elderly women are dying like flies.

Macy McMillan and the Rainbow Goddess by Shari Green. 2018 Schneider Award winner. Macy's got to face up to a lot of challenges as 6th grade comes to an end: Mom is getting remarried, their new "family" has to move, and to top it off, she has to help an elderly neighbor pack for a move of her own. This novel is told in verse, making it a quick read.

The Parker Inheritance by Varian Johnson. A 2019 Coretta Scott King Honor book. While spending the summer in her mother's South Carolina home town, Candice discovers a letter from her dead grandmother detailing a historical mystery involving an illegal tennis match, racism, and a lot of money. Will she and her new friend Brandon find answers? This complex novel shifts between the past and the present, and offers plenty of ideas to discuss.

The Family Fletcher Takes Rock Island by Dana Alison Levy, 2016.

Sam, Jax, Eli, and Frog, along with their dads, can't wait for the annual vacation to their beloved New England island. Along with decisions about which ice cream to buy, there are new neighbors to meet, and a mystery surrounding the nearby lighthouse to solve.