

Picture Books to Reinforce Mathematics

Feisty Females: Inspiring girls to think mathematically by Karen Karp, E. Todd Brown, Linda Allen, and Candy Allen; Heinemann Pub.; Portsmouth, NH.

This book is written for teachers to aid in choosing storybooks that encourage mathematics and show strong females characters. Some of the books listed below are discussed in this book. Other books listed below have teacher notes in the back to facilitate mathematics discussion.

Happy Reading!

Anno's Magic Seeds by Mitsumasa Anno

Anno's Mysterious Multiplying Jar by Masaichiro and Mitsumasa Anno

A Wrinkle in Time by Madeleine L'Engle

Brian's Winter by Gary Paulsen

CinderEdna by Ellen Jackson

Coast to Coast with Alice by Patricia Rusch Hyatt

Counting on Frank by Rod Clement

Eight Hands Round: A Patchwork Alphabet by Ann Whitford Paul

Gator Pie by Louise Mathews

Hooray for Diffendoofer Day! by Dr. Seuss

How Do You Lift a Lion? By Robert E. Wells

Penguins in the Fridge by Nicola Moon

Pobblebonks by Garry Fleming

Swamp Angel by Anne Isaacs

Sweet Clara and the Freedom Quilt by Deborah Hopkinson

The Bedspread by Sylvia Fair

The Dot & the Line by Norton Juster

The Faraway Drawer by Harriett Diller

The Greedy Triangle by Marilyn Burns

The Phantom Tollbooth by Norton Juster

The Twenty-One Balloons by William Pene du Bois

Twelve Snails to One Lizard: A Tale of Mischief and Measurement by Susan Hightower

Additional, there are some movies on DVD that can be used to integrate mathematics with other content areas. Some of the connections are found in the movie and in the 'behind the scenes' interviews.

The Matrix – check the interview with the computer graphics designer for an application of interpolation. Also, the story line is a modern version of *Alice in Wonderland*.

October Sky – the mathematics used to determine the young boys responsibility directly connects to algebra content but the more important mathematical concept is problem solving.