



Hamilton-Wentworth Catholic District School Board Parents Engaging Their Children in Mathematics

“If you want your children to be literate, use a lot of words. If you want them to be numerate, fill their world with numbers.” ~ Rick Ackerly

Link Numeracy to Literacy

The following books are just a few of the many books out there involving math themes. All of these books are **available through the Hamilton Public Library**. The brief descriptions are from the Hamilton Public Library as well. The recommended audience for the book is indicated in the brackets at the end of the description (i.e., FDK: full day kindergarten, P: primary, J: junior, I: intermediate).



Annika Riz, Math Whiz. Mills, Claudia. (2014) - Annika hopes to change her best friends' hatred of math by winning a Sudoku contest, but she does not realize how important their lack of mathematical ability is until they make a mistake at the school carnival. (J)

A Chair for My Mother. Williams, V. (1982) – A child, her mother, and her grandmother save their dimes to buy a comfortable armchair after all their furniture is lost in a fire. (FDK, P)

Bedtime Math. Overdeck, Laura. (2013) - Inside this book, families will find fun, mischief-making math problems to tackle--math that isn't just kid-friendly, but actually kid-appealing. With three different levels of challenge (wee ones, little kids, and big kids), there's something for everyone. (P, J)

Betcha. Murphy, S. J. (1997) – Uses a dialog between two friends, one who estimates, one who counts precisely, to show estimation at work in everyday life. (FDK, P)

The Doorbell Rang. Hutchins, P. (1986) – Each time the doorbell rings, there are more people who have come to share Ma's wonderful cookies. (FDK, P)

Elevator Magic. Murphy, S. J. (1997) – Elevator Magic explains the concept of subtraction through a rhyming text about a descending elevator. (FDK, P)

The Eleventh Hour: A Curious Mystery. Base, G. (1989) – When the special feast that was to be eaten at the elephant's eleventh birthday party is stole, the reader is invited to guess the identity of the thief. (FDK, P)

Emily's First 100 Days of School. Wells, R. (2000) – Starting with number one for the first day of school, Emily learns the numbers to one hundred in many different ways. (FDK, P)

Fractions in Disguise: A Math Adventure. Einhorn, Edward (2014) - When a valuable fraction goes missing, young inventor George Cornelius Factor, suspecting the work of the villainous Dr. Brok, creates a tool for simplifying and revealing fractions that have been sneakily disguised.(J, I)

Get Up and Go! Murphy, S. J. (1996) – Explains through the use of rhyme the concepts of timelines and addition as a girl gets ready for school with the help of her smart dog. (FDK, P)

Give Me Half. Murphy, S. J. (1996) – Introduces the concept of halves using a simple rhyming story about a brother and sister who do not want to share their food. (FDK, P)

Inch by Inch. Lionni, L. (1995) – To keep from being eaten, an inchworm measures a robin's tail, a flamingo's neck, a toucan's beak, a heron's leg, and a nightingale's song. (FDK, P)

Math for All Seasons. Mind-stretching Math Riddles. Tang, Greg. (2001) - An uproariously punny math book with a theme of seasons and a focus on groups of fives. By looking for patterns, symmetries, and familiar number combinations within eye-catching pictures, math will become easier, quicker, and more fun than anyone could have imagined! (J, I)

Math Trek 2: A Mathematical Space Odyssey. Peterson, Ivars. (2001) - Take a wild and Wonderful Voyage Through the Universe of Mathematics! While playing games and solving puzzles, you can explore mind-boggling mental mysteries and investigate hidden patterns in the universe. (J, I)

Midnight Math. Ledwon, P., & Mets, M. (2000) – Animal characters help readers play twelve different math games. (FDK, P)

Mummy Math, An Adventure in Geometry. Neuschwander, Cindy. (2009) - The Zills family is summoned to Egypt to help find the hidden burial chamber of an ancient pharaoh. But when Matt and Bibi get trapped in the pharaoh's pyramid, they stumble upon an even bigger mystery. Luckily, Matt and Bibi know their stuff when it comes to geometric solids, and so will the readers of this adventure in math! (J)

Pythagoras and the Ratios: A Math Adventure. Ellis, Julie. (2010) - An ancient Greek boy, Pythagoras, helps his cousins produce pleasant music when he adjusts the mathematical ratios between the part of their pipes and lyres, knowledge he would later use to become a famous philosopher. (I)

Seeing Symmetry. Leedy, Loreen. (2012) - Once you start looking, you can find symmetry all around you. It's in both nature, art, design, decoration, and architecture. This clear and concise book explains different types of symmetry and shows you how to make your own symmetrical masterpieces. (J, I)

Sir Cumference and the First Round Table: A Math Adventure. Neuschwander, Cindy. (1997) - Assisted by his knight, Sir Cumference, and using ideas offered by his wife and son, King Arthur finds the perfect shape for his table. (J, I)

Sir Cumference and the Dragon of Pi: A Math Adventure. Neuschwander, Cindy. (1999) - When Sir Cumference drinks a potion which turns him into a dragon, his son Radius searches for the magic number known as pi which will restore him to his former shape. (J, I)

Sir Cumference and the Sword in the Cone: A Math Adventure. Neuschwander, Cindy. (2003) - Sir Cumference, Radius, and Sir Vertex search for Edgecalibur, the sword that King Arthur has hidden in a geometric solid. (J, I)

Sir Cumference and the Viking's Map: A Math Adventure. Neuschwander, Cindy. (2012) - As bungling bandits pursue them, cousins Radius and Per use coordinate geometry in their quest for treasure as they decode the map of the Viking warrior Xaxon Yellowbearyd. (J, I)

The Grapes of Math. Mind-stretching Math Riddles. Tang, Greg. (2001) - Illustrated riddles introduce strategies for solving a variety of math problems in using visual clues. (J, I)

The Three Bears. – In any version of the traditional story, children can engage in activities to develop the concept of the number 3 as well as comparisons of small, medium, and large. (FDK, P)

Toads and Tessellations: A Math Adventure. Morrisette, S. (2012) - Even for an apprentice magician Enzo is not very good--but when Tessel the shoemaker needs to use a single piece of leather to make twelve sets of shoes, Enzo finds that when magic fails, math may solve the problem. (J, I)

Using Math to Climb Mount Everest. Koll, Hilary. (2007) - Mathworks! motivates students by relating math concepts and skills to real life situations. A wealth of problem-solving activities build math skills while the colorful, high-interest approach engages students and encourages them to think about math in new ways. (J, I)