書名 / Name of the book	封面 / Cover (如有)	作者 / Author(s)	出版社 / Publisher	備註 / Remarks / 書介(如有)
A Math Journey Through the Animal Kingdom **A Math Journey Through the Human Body** **A Math Journey Through Planet Earth** **A Math Journey Through Space**		Anne Rooney	Crabtree Publishing Company	This series of books are suitable for Junior Form students. In each of the chapter in the books, the useful hints like skills provided at the beginning of the sections. There will be a challenging problem at the end of the chapter which provide you with a chance to deal with mathematics in daily life. Eventually you can check the answer and see if you are able to finish or not. You will be an expert animal scientist, the inventor of an amazing robot, the leader of an ecological expedition and the leader of a space mission to Mars. Please use your mathematics knowledge to solve the problems in the books and also recommend you can apply the knowledge in the daily life.
Mathematics Readers		Andrew Einspruch	Teacher Created Materials	This "Mathematics Readers" series relates Mathematics and the real world. It helps us explore maths in a meaningful way. This series of books are easy to read. I recommend them to our Form 1 students.

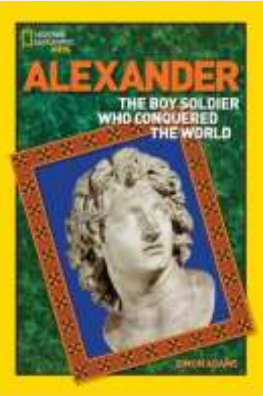|				
Murderous Maths: All Shapes and Sizes		Kjartan Poskitt	Scholastic Ltd.	This is a mathematics book from "Murderous Maths" series. The Maths in this book is perfect for junior form students. It is most suitable for those who want to know more about shapes, angles and sizes. There are many pictures in this book to help introduce its content. You can learn many things related to mathematics from this book. For examples, how to draw regular polygons and ellipse, the mystery number , the story of cake-cutting crisis, the strangle tale of perimeters, how to shove shapes together, introduction of the Euler formula, construction of Nets of solid and how to make your own superstars etc.
King Arthur In Search of His Dog & Other Curious Puzzles		Raymond M. Smullyan	Dover Publications, Inc. Mineolam New York	The book is mainly for the puzzle-lovers of all ages. It consists primarily of arithmetical puzzles. If you cannot solve them, you will learn much from reading the solutions, which will show you how you can solve similar problems. Many of the stories are rooted in classic puzzles, but his innovative approaches offer even the most mathematically knowledgeable readers novel ways of thinking about traditional logic problems. The solutions are creative and are as much fun as the puzzles. Happy reading!

| Math Girls Talk About series | | Yuki Hiroshi | Bento Books, Incorporated | The "Math Girls Talk About" series is most suitable for those who want to firm up their basic math understanding. The topics are introduced through conversations between the characters from Math Girls, offering an easy and fun way to learn the content. |

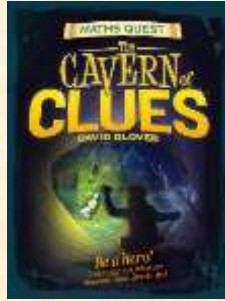| Alexander The Boy Soldier Who Conquered The World | | Simon Adams | National Geographic | *Alexander The Boy Solider Who Conquered The World* is a biography of a legendary leader more than 2000 years ago. Alexander unified all states in Greece and conquered Persian Empire and central Asia, now the northern part of India, creating his greatest empire in history. The most exciting part in the book is the warfare from his own state Macedon to Persian Empire, besieging numerous cities in the Middle East nowadays. His wisdom and determination make him a great leader in history. More interestingly, the book also covers his childhood, his marriage and his life with friends and his education. The writer, Simon Adams, really brings readers into a journey of Greek history. |

Extreme Weather		Margaret Hynes	Kingfisher	*Navigators: Extreme Weather* navigates readers through a wide and fantastic range of subjects including the formation of thunderous storms, tornados and monsoons. Unlike an ordinary Geography textbook, the writer Margaret Hynes takes the readers on the tour to the science behind the weather phenomena. Besides, topics ranging from aftermaths to disaster reliefs are discussed in the book. Hundreds of photos and diagrams with brief and informative explanations are provided on every page. If you are passionate in learning more about extreme weather conditions, El Nino and La Nina, this book is definitely a must-read item.

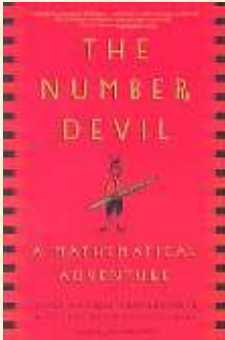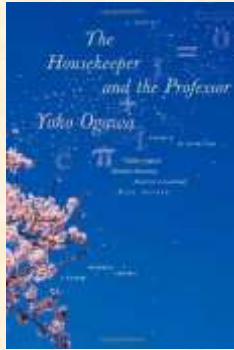| The Maths Quest series | | David Glover | QED Publishing | If you like the thrill of solving mysteries, don't miss this Maths Quest series. Using your maths skills, you can decide how the plots unfold! Come and create your own exciting adventures and accomplish your missions!

 Maths Quest*: The Cavern of Clues*
 ISBN: 978 1 84835 635 1
 Introduction:
 The fearsome pirate Black Beard has buried his gold, and you have the map that leads the way. There is danger ahead and you may get lost in the tunnels! If you fail, you will be trapped inside the Cavern forever!

 Maths Quest: *The Museum of Mysteries*
 ISBN: 978 1 84835 634 4
 Introduction:
 A mathematical mystery of numbers. It is a race against time to solve the clues and save the Golden Hoard. If you fail, the treasure will be lost forever. |

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				Maths Quest: *The Planet of Puzzles* ISBN: 978 1 84835 636 8 Introduction: Space Station Alpha has been captured by aliens, and only you can rescue it. You must hurry before the alien robots eat up everything! If you fail, the aliens will take over the Planet! Maths Quest: *The Mansion of Mazes* ISBN: 978 1 84835 637 5 Introduction: The Mansion of Mazes has been burgled and you have been asked to solve the mystery. Who is the burglar, and who is the owner of the mansion? If you fail, the villains will escape for good!
The Number Devil : a mathematical adventure		Hans Magnus Enzensberger	Picador	Robert is a boy who hates math and suffers bad dreams due to his boredom in school. One night, he meets Teplotaxl, a Number Devil, who leads him to discover the amazing world of numbers. Over the course of twelve dreams, the Number Devil teaches Robert different mathematical ideas, which includes prime numbers, Fibonacci numbers, triangular numbers, and imaginary numbers. At the end, Robert finds mathematics interesting and is happy to use his new knowledge in class.

The Housekeeper and the Professor		Yoko Ogawa	Picador	The Housekeeper, a single mother of a 10-year-old son, is hired to look after the Professor, a brilliant mathematician who experienced serious head injury in a car accident and his short-term memory only lasts for 80 minutes! The Professor can only remember his theorems and favorite baseball players, but the Housekeeper must reintroduce herself every morning, sometimes several times a day. One day, upon learning that the Housekeeper has a 10-year-old son waiting home alone until late at night every day, the Professor flies into a rage and tells her to have her son come to his home directly from school from that day on. The next day, her son comes and the Professor nicknames him "Root" because the shape of his hair and head remind the Professor of the square root symbol. From then on, the Professor connects with the child and the Housekeeper learns how to work with him through the memory lapses. Their days begin to be filled with warmth. It is an intimate story about family, the nature of memory and the poetry of mathematics.
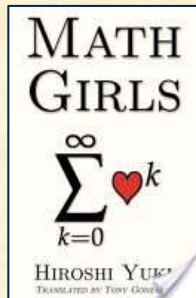
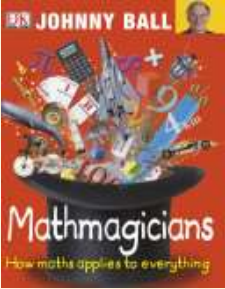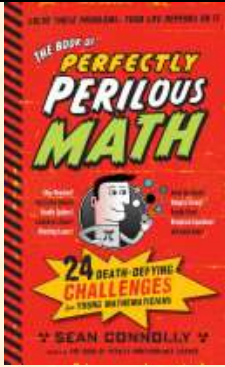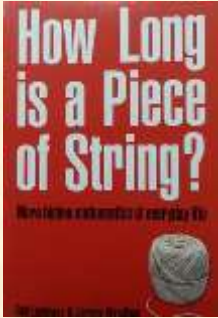|				
Math Girls	MATH GIRLS $\sum_{k=0}^{\infty} \heartsuit k$ HIROSHI YUKI Translated by Tony Gonzalez	Hiroshi Yuki	Bento Books	Currently in its twentieth printing in Japan, this best-selling novel is available in English at last. Math Girls is a fun read. It combines mathematical rigor with light romance. The unnamed narrator shows great interest in Mathematics and meets a new classmate, a girl named Miruka, at the start of his first year of high school. Without introducing herself, she gives him the beginning to number sequences, to which he answers with their continuation. One year later, the narrator receives a letter by another girl, a new student named Tetra, who suffers from mathematical anxiety, and approaches the narrator to ask him to tutor her in math. He begins teaching her, making Miruka jealous. The narrator balances his friendship with Tetra and his romantic interest in Miruka until Miruka and Tetra become friends after Tetra demonstrates her dedication to learning mathematics. Together they explore the world of mathematics by helping each other solve problems spanning a wide range of difficulty, from extensions of high school mathematics to extremely difficult problems previously addressed by famous mathematicians.
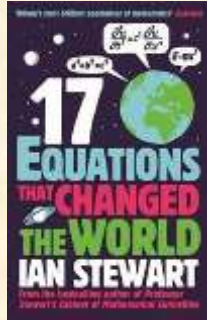
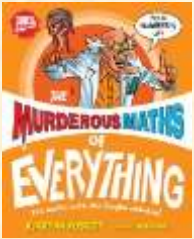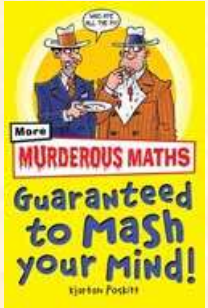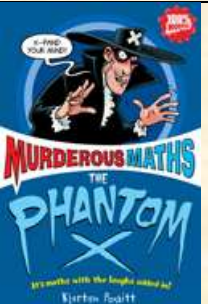| 17 EQUATIONS THAT CHANGED THE WORLD | | IAN STEWART | PROFILE | We learned to solve some simple equations in F.1 but have you ever imagined that an equation, a line consisting of numbers, symbols and an equality has the power to change the course of humanity? In the book "17 Equations that changed the world", the author introduces us some equations that have significant meaning to the human history. For example, the famous "E=mc2" from Einstein's theory of relativity. The equations is important as it shows that a little bit of mass (m) can be converted into a huge amount of energy (E). It is this equation that lead to atom bombs and nuclear plants. The books not only covers the math and the meaning of the equation also some interesting stories behind the discovery of it.

Why are equations so powerful? That is because we use numbers to describe our world. For example, you are 14 years and 1.5m tall. 14 and 1.5 are numbers describing you. An equation tells you the relations between these numbers, and even predicts what happen if these numbers are changing. Mathematics is a language to describe the world. If you want to know how this language shapes our world, come and take look at "17 Equations that changed the world", you may have learned a few equations in the book!! |

Mathmagicians		Johnny Ball	Dorling Kindersley	This book tells us how Mathematics is applied throughout the history of mankind. It tells us stories about how people measure things that we see and things that we cannot see – from how the ancient people measured time accurately using the stars, measured the size of the earth using a well …etc., to scientists discovering gravity, voyagers turning a spherical world into a flat map, to the technique of measuring things using colour and measuring time using atomic vibrations. This book is easy to read and full of interesting information that you know and you don't know. Moreover, this book teaches you how to make things such as a "star clock", and introduces a practical joke that you can play on nosy people.
THE BOOK OF PERILOUS PERILOUS MATH		SEAN CONNOLLY	WORKMAN	The book of Perfectly Perilous Math contained 24 challenges which draw you into a world where all those math lessons meet real life. You're faced with a tough, maybe even do-or-die, problem that needs to be solved quickly. Survival depends on finding a correct result. How many months would it take a single vampire to completely take over a town of 500, 000 people? How long can a barrel of fresh water last before five shipwrecked sailors go mad from thirst? These problems are as fun to read as they are challenging to solve. They test readers on fractions, algebra, geometry, probability, expressions and equations, and more. You will love solving these problems.

Title	Cover	Author	Publisher	Description
MURDEROUS MATHS: DO YOU FEEL LUCKY?		KJARTAN POSKITT	SCHOLASTIC LTD	How likely is it that you could learn to love maths? What are the chances of your boring maths class being cancelled today? How about winning the lottery tomorrow or going on a school trip to the Bahamas? Don't fancy your chances? Well, i probability puts you in a panic, this is the Murderous Maths book for you! The author uses a series of hilarious characters to present all the tricks, tips and shortcuts to probability that students don't come across or learn at school.
A Day's Adventure in Math Wonderland		Jin Akiyama and Mari-Jo Ruiz	World Scientific Co. Pte. Ltd.	
How Long Is a Piece of String?: More Hidden Mathematics of Everyday Life		Rob Eastaway & Jeremy Wyndham	Portica	

Why do Buses Come in Threes?: The Hidden Mathematics of Everyday Life		Carol Vorderman	Dorling Kindersley Limited
Help Your Kids with Maths: A Unique Step-by-step Visual Guide		Carol Vorderman	Dorling Kindersley Limited
100 Essential Things You didn't know You didn't know		John D. Barrow	W.W. Norton & Company New York·London

Conned Again, Watson!		Colin Bruce	Perseus Publishing / Basic Books, a member of the Perseus Books Group	
The Murderous Maths of Everything		Kjartan Poskitt	Scholastic Ltd	
Guaranteed to Mash Your Mind		Kjartan Poskitt	Scholastic Ltd	
The Phantom X		Kjartan Poskitt	Scholastic Ltd	

Title		Author	Publisher	
Easy Questions, Evil Answers		Kjartan Poskitt	Scholastic Ltd	
Savage Shapes		Kjartan Poskitt	Scholastic Ltd	
Desperate Measures		Kjartan Poskitt	Scholastic Ltd	

Savage Shapes		Kjartan Poskitt	Scholastic Ltd	
The Book Bandit		Melinda Thielbar	Graphic Universe 1	
What Is the Name of This Book?: The Riddle of Dracula and Other Logical Puzzles		Raymond M. Smullyan	Dover Publications, Inc. Mineolam New York	This book is mainly for the puzzle-lovers of all ages. It is a collection of very humorous recreation logic and mathematical problems that challenges your common sense. If you cannot solve them, you can read the solutions, which will show you how you can solve similar problems. The increasing difficulty of the problems allows you to follow along easily and you will learn much after reading this book. The solutions are creative and are as much fun as the puzzles. I am sure that you will enjoy reading this book even if you think Mathematics is boring. Happy reading!

My Best Mathematical and Logic Puzzles		Martin Gardner	Dover Recreational Math.	This book contains a selection of 66 mathematical and logic puzzles with solutions included. References to new developments of the puzzles can also be found in some mathematical and logic puzzles. This book is suitable for senior form students who wants to challenge their problem solving skills and strengthen their egos. Each puzzle covers only half a page. You can select the mathematical and logic puzzles that you are interested in. You can also check the answers and the solutions yourselves. The Returning Explorer, The Mutilated Chessboard, Scrambled Box Tops, The Fork in the Road, Bronx vs. Brooklyn, Touching Cigarettes are some examples of the problems you can find in this book.
Everything You Need to Ace Math in one Big Fat Notebook		Altair Peterson	Workman Publishing Company	Do you think your mathematics notebooks are too messy and disorganized? This book will definitely fix your problems. It is an exciting book for all junior form students. It covers many useful methods to get you over any math hump and shows you how to make an organized notebook for revision. The book also includes interesting examples to explain some abstract ideas in mathematics. If you are interested in exploring more mathematics concepts in other aspects, try to read this book and find out how to learn mathematics in a better way!