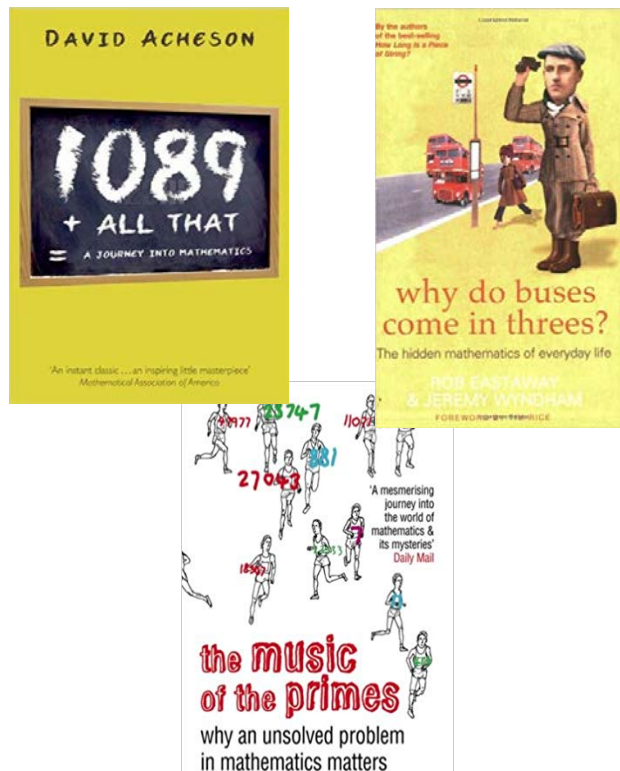


The Mathematics department at SHSB considers the following criteria to be important in determining what is meant by being More Able and Talented in Mathematics. Not all students will show all these characteristics but MAT students will show many of them.

- Excellent performance relative to peer group as identified through the Maths Department assessment system.
- Highly efficient memory and application of knowledge to solving mathematical problems e.g. various techniques for various problems such as solving quadratics.
- Skilful processing of information as shown through deep thinking response to class questioning and work. e.g. worded problems in context.
- Good communicator – as demonstrated in questions and answer sessions, discussion and presentation of work.
- The production of clear steps to problem solving.
- Work independently and with perseverance on tasks to complete them.
- Able to model using abstract ideas or convert abstract ideas to a simple understandable model
- Exceptional numerical skills.
- Very curious about events and how things work as demonstrated through their background knowledge of mathematics.

Books

The Mathematics Department has a small library of books to extend and interest students mathematically. Examples:



Websites:

- <https://plus.maths.org/content/>
- <https://nrich.maths.org/>
- <http://mei.org.uk/problemsolving>
- http://furthermaths.org.uk/gcse_problem_solving
- <https://www.ukmt.org.uk/>

Enrichment Opportunities

- House Maths Competitions
- Junior and Intermediate Maths challenges
- Maths Club
- Maths Feast Competition

Apps

