

The Computer Science department at SHSB considers the following criteria to be important in defining what is meant by more able and talented in this subject.

- Inquisitive, curious, alert and responsive to new ideas
- Quick/agile thinkers
- High self-motivation/initiative; can work well independently
- Learn new ideas and concepts quickly
- Good at reasoning/logical/analytical thinking
- Able to memorise quickly/easily
- Advanced vocabulary/verbally fluent/good self-expression
- Learned to read early, often before school age; rapid readers
- Good attention; can concentrate and persevere for long periods of time.
- Dislike repetition of concepts and closed tasks; get bored easily
- Informed/show interest in ideas and concepts beyond their years
- Creative/imaginative; original ideas in problem-solving; may be artistic/musical
- Inclined to choose unusual but effective methods of working, perhaps using a different line of logic or jumping steps

Enrichment Opportunities

- Cyber Security competition
- Road show
- Guest speakers
- Independent workshops
- Coaching/mentoring opportunities

Apps

- ixplain FREE GCSE Computing mobile applications
- Gojimo- Exam & Test Prep
- <https://www.senecalearning.com/>

Books

- GCSE Computer Science OCR Exam Practice Workbook - for the Grade 9-1 Course - ISBN-13: 978-1782946038
- New GCSE Computer Science OCR Complete Revision & Practice - Grade 9-1 - ISBN-13: 978-1782948605
- GCSE Computer Science for OCR Student Book - ISBN-13: 978-1316504031



Websites:

- <https://docs.python.org/3/tutorial/index.html>
- <https://www.w3schools.com/>
- <https://www.youtube.com/channel/UC0HzEBLIJxlrwBAHJ5S9JQg>
- <https://www.bbc.com/bitesize/subjects/z34k7t>
- <https://www.ocr.org.uk/qualifications/gcse/computer-science-j276-from-2016/>
- https://www.youtube.com/watch?v=uMDQizg8rWE&list=PL04uZ7242_M60Z2F8qV7sld99cuwV_Z3T