



KEY STAGE 5 POTENTIAL HIGH ACHIEVERS READING LIST
For
ICT AND COMPUTING

A GENERAL LIST:

- YouTube channels such as 'Craig dave
- Technology TV programmes such as BBC Click, SKY Swipe and Channel 5 Gadget Show
- Online technology news e.g. BBC and SKY
- Website such as BBC Bitesize, Techopedia, W3 Schools, Isaac Computer Science and Codecademy
- Computer magazines and newspapers e.g. Computer Weekly, PC World, Wired and The Guardian newspaper technology section
- News aggregators e.g. Reddit

MORE SPECIFIC URLS:

Bitesize : Computer Science - <https://www.bbc.co.uk/bitesize/subjects/z34k7ty>

Bitesize : ICT - <https://www.bbc.co.uk/bitesize/subjects/zqmtsbk>

Computing at School - <https://www.computingschool.org.uk/>

Includes an extensive lists of resources at:

<https://community.computingschool.org.uk/resources/199/single>

<https://community.computingschool.org.uk/resources/45/single>

<http://www.logic-puzzles.org/index.php>

For Einstein's riddle, allegedly one of the hardest of this type of puzzle, try this book:

EINSTEIN'S RIDDLE

JEREMY STANGROOM

ISBN 10: 1408801493 ISBN-13: 978-1408801499 Bloomsbury Publishing (18 May 2009)

Contains the world's most famous puzzle

<p>THE GCHQ PUZZLE BOOK GCHQ (20 OCT. 2016)</p> <p>MICHAEL JOSEPH</p>	<p>ISBN-10: 0718185544 ISBN-13: 978-0718185541</p>
<p>ALGORITHMIC PUZZLES</p> <p>ANANY LEVTIN, MARIA LEVTIN</p>	<p>ISBN-10: 0199740445 ISBN-13: 978-0199740444</p> <p>Oxford University Press, USA (14 Oct. 2011)</p> <p>A collection of puzzles designed to test and develop your algorithmic thinking and problem solving strategies. The book is well organised, with a discussion of each problem solving strategy and then several puzzles to practice.</p>
<p>For a mix of advanced problem-solving and programming, try the British Informatics Olympiad: http://www.olympiad.org.uk/problems.html The Mayan Calendar problem is a good starting point, even if you are new to programming.</p>	