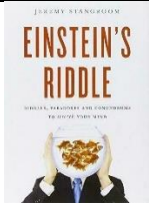


# ICT & Computing

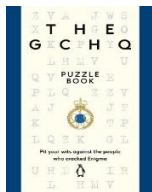
## Recommended Reading List

### Key Stage 4



#### **Einstein's Riddle**

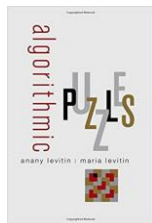
Riddles, paradoxes, and conundrums have been confusing and confounding people since at least the time of the Ancient Greeks. The eponymous riddle, according to legend, was devised by Albert Einstein as a child. He claimed that only about 2% of the population would be able to work out the correct answer. There are no tricks and there is only one answer. It requires the cool application of logic to solve. And a lot of patience. Einstein's Riddle features fifty of the toughest logic problems, lateral thinking puzzles, and tests of mental agility. By turns entertaining and infuriating, the puzzles challenge our preconceptions, tell us about how we reason, and provide a rigorous intellectual workout.



#### **The GCHQ Puzzle Book**

Over the years, their codebreakers have helped keep our country safe, from the Bletchley Park breakthroughs of WWII to the modern-day threat of cyber-attack. So, it comes as no surprise that, even in their time off, the staff at GCHQ love a good puzzle.

Whether they're recruiting new staff or challenging each other to the toughest Christmas quizzes and treasure hunts imaginable, puzzles are at the heart of what GCHQ does. Now they're opening up their archives of decades' worth of codes, puzzles, and challenges for everyone to try.



#### **Algorithmic Puzzles**

While many think of algorithms as specific to computer science, at its core algorithmic thinking is defined by the use of analytical logic to solve problems. This logic extends far beyond the realm of computer science and into the wide and entertaining world of puzzles. In *Algorithmic Puzzles*, Anyan and Maria Levitin use many classic brainteasers as well as newer examples from job interviews with major corporations to show readers how to apply analytical thinking to solve puzzles requiring well-defined procedures.