

KS3

Computing

Super Curriculum

Welcome to the Computing KS3 Super Curriculum!

Below, you'll discover a variety of activities designed to challenge and extend your learning beyond the classroom curriculum.

Read



Computational Fairy Tales by Jeremy-Kubica

This book focuses on computational thinking. The stories are written to introduce and illustrate computational concepts.

BBC Bitesize KS3

<https://www.bbc.co.uk/bitesize/subjects/zvc9q6f>

Visit the **Science Daily website** and read a computer science related article which you find interesting. You can write a 200 word summary about what you have read.

https://www.sciencedaily.com/news/computers_math/computer_science/

Listen



Wow in the world tech podcast

<https://tinkercast.com/all-podcasts/wow-in-the-world/>

Watch



Watch a TED talk discussing the impact of AI on everyday life.

https://www.ted.com/playlists/310/talks_on_artificial_intelligen

Map of Computer Science.

A fantastic short video summarising the field of Computer Science.

https://www.youtube.com/watch?v=SzJ46YA_RaA

BBC Click. Watch this weekly BBC television programme covering news and recent developments in the world of consumer technology and innovations. BBC News - Click

Do



Code.org : self-paced programming modules

<https://code.org/en-US/students/middle-and-high-school>

Complete the bronze award on the iDEA website. This is a recognised qualification which can be added to your CV when applying for jobs.

The GCHQ Puzzle Book

Why not pit your wits against the people who cracked the Enigma? This book will have you scratching your head for hours trying to solve some challenging problems.

<https://www.gchq.gov.uk/news/the-turing-challenge>

Talk to a GCSE Computer Science student

Ask them the following questions:

Why did they choose to do GCSE Computer Science ?

What skills have they learnt so far in the course?

What topics did they like best?