

KS5

Computing

Super Curriculum

Welcome to the Computing KS5 Super Curriculum!

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

Read



The Catalog of Design Patterns

<https://refactoring.guru/design-patterns/catalog>

BBC Tech now

<https://www.bbc.co.uk/programmes/m0029b3v>

Subscribe to magazines

<https://www.raspberrypi.org/hello-world>

<https://www.newscientist.com/>

<https://www.theregister.com/>

[Home](#) | [Spark with Nora Young](#) | [CBC Radio](#)

Watch



Watch a TED talks:

TED: Ideas change everything

Tim Berners-Lee: The year open data went worldwide

<https://www.youtube.com/watch?v=3YcZ3Zqk0a8>

Oxford University Podcasts

An AI stack: from scaling AI workloads to evaluating LLMs

[| University of Oxford Podcasts](#)

[Homepage](#) | [University of Oxford Podcasts](#)

Watch **videos on the Harvard CS50** website to learn programming concepts in different languages:

<https://cs50.harvard.edu/x/>

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BBC: Series of AI podcasts

[BBC Radio 4 - Understand, Tech and AI, 7. Where is AI Working Already?](#)

Raspberry Foundation Hello World podcast

<https://www.raspberrypi.org/hello-world/podcast>

Computer Science podcasts on Spotify:

<https://open.spotify.com/show/1QGYnZWxmV7xqUoIRuCm3I>

Do

University of Southampton cipher challenge tasks

<https://www.cipherchallenge.org/>

Series of challenging mathematical/computer programming problems

<https://projecteuler.net/>

The annual GCHQ Christmas Challenge

[The GCHQ Christmas Challenge - Archive | GCHQ - GCHQ.GOV.UK](#)

Reading List

Do the activities suggested in the Reading list provided by the Computing Department to enhance your reading around the subject. Available on the **Piggott School website** → **Sixth Form** → [Reading list webpage](#)