

AAQ Data Analytics

As you are hoping to study AAQ Data Analytics here are some things you can do in preparation for year 12. There are a range of tasks for you to do as you may have completed slightly different courses. It is up to which tasks you complete, however we would like you to record what you have completed in a similar table to the one at the end of this document. The tasks include listening to podcasts, watching videos, reading articles etc.

Podcasts:

Spark with Nora Young Helps you navigate your digital life by connecting you to fresh ideas in surprising ways. <https://www.cbc.ca/radio/spark>

Rabbit Hole What is the internet doing to us? The Times tech columnist Kevin Roose discovers what happens when our lives move online.

<https://www.nytimes.com/column/rabbit-hole>

Security Now Weekly Internet Security Podcast. <https://www.grc.com/securitynow.htm>

Twit: This Week in Tech The top-ranked flagship technology podcast with top tech journalists and pundits in a roundtable discussion of the latest trends in tech.

<https://twit.tv/shows/this-week-in-tech>

Software Engineering Week Is a podcast targeted at the professional software developer. The goal is to be a lasting educational resource, not a newscast.

<https://www.globalplayer.com/podcasts/GwR19/>

Programming Throwdown Offering a general introduction to the world of programming.

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

This Developer's Life A podcast about developers and their lives. <https://thisdeveloperslife.com/>

The Changelog Software's best weekly news brief, deep technical interviews & talk show.

<https://changelog.com/podcast>

Reading Books

Algorithms to Live By: The Computer Science of Human Decisions - Brian Christian

The Innovators: How a Group of Inventors, Hackers, Geniuses and Geeks Created the Digital Revolution - Walter Isaacson

The Elements of Computing Systems: Building a Modern Computer from First Principles - Noam Nisan

Introduction to Networking: How the Internet Works - Dr. Charles R Severance

Accidental Empires - Robert X Cringely

Websites

<http://www.tnmoc.org/>

<http://www.theregister.co.uk/>

<https://isaacomputerscience.org/>

<https://atozofai.withgoogle.com/intl/en-US/> (Making sense of AI)

YouTube Channels

Crash Course Computing

<https://www.youtube.com/playlist?list=PL8dPuuaLjXtNIUrzyH5r6jN9ullgZBpdo>

Computerphile

<https://www.youtube.com/user/Computerphile/playlists>

Computer Science UK

<https://www.youtube.com/channel/UCLg2JKpJiC2m8X00qn9rmOg/videos>

Craig 'n' Dave

<https://www.youtube.com/@craigndave/videos>

Places to Visit

Science Museum <https://www.sciencemuseum.org.uk/see-and-do/driverless-who-is-incontrol>

The Computer Museum at Cambridge <http://www.computinghistory.org.uk/>

The National Museum of Computing at Bletchley <https://www.tnmoc.org/plan-your-visit>

Below is an example of the table we would like you to complete and bring back in after the summer. Remember, we do not expect you to have completed all of the above, however it would be a good idea to complete a range of the different tasks as technology is forever changing!

Name of task	Date completed	Brief summary of task