OCR Level 3 Alternative Academic Qualification Cambridge Advanced National in Computing: Application Development (Extended Certificate)

It is essential that you complete the tasks within this transition document and present them to your class teacher in your first lesson at the start of the new academic year. These tasks will support your understanding of key concepts that you will be tested on in the induction assessments, taken within the first 3 weeks, that ultimately decide if you are suitable to continue on this course.

RAYNES
PARK HIGH SCHOOL

Units/Topics	Supporting Links	Reading
F160 - 1.1 Programs and applications	Unit Specification: **Computing Application Development** **Application VS Program** **Create and run a batch file** **Listen: Project Management Happy Hour | Podcast on Spotify**	Online Reading: **Teach-ICT.COM Types of Computer** **Read: Importance of Requirement Gathering in Software Development - GeeksforGeeks**
TASK 1: **Main task** **Get students to create a mind map of all the digital devices they have at home. Expand the mind map to list the various programs or applications that run on those devices**	**TASK 2:** a) Create a table with a list of requirements for a website: • domain name • cost • security • availability Using 3 hosting sites, students complete table to compare the different hosting companies. Different types of hosting could be introduced with students (not in the spec) - shared, cloud, VPS and managed hosting	**TASK 3:** a) Complete their own page and site pages using CSS3 and a library/framework. b) You could share a library framework website such as **Bootstrap** or **tailwind CSS** Examples of web authoring software tools use could include examples from the **specification** Page 59 TA3.3.

Know your why – Why Computer Science

Job Options

Further Research	**YouTube** provides a range of videos to explain the concepts and how to create webpages/websites **Freebies | Web Designer Depot**	**Further Listening**	Read: **code academy web development.** Sign up for: **free web development courses and tutorials on Udemy.** Watch: **learn the basics of HTML in this video tutorial.**	**Further Watching**	Read: **code Academy web development** Watch: YouTube video – **what is the purpose of a website?**