Year 11 into 12 Transition work for Level 3 ICT

ICT Step up tasks:

Something to Think About

- How do I use technology every day, and how dependent am I on it?
- What are the advantages and disadvantages of storing data in the cloud?
- How has artificial intelligence (AI) changed how we work, learn, and communicate?
- What ethical issues are raised by surveillance technology and data collection?
- How secure are my online accounts? Do I use strong passwords and two-factor authentication?
- What roles do ICT professionals play in different industries (e.g. healthcare, entertainment, security)?
- How can technology reduce digital inequality – or make it worse?
- What are the implications of automation for future jobs and workplaces?

TASK – Answer the questions above with further explanations on how to improve some of these areas

Somethings to Watch/Listen To

YouTube Channels / Series:

- *Computerphile* (YouTube) – Short explainer videos on computing and security topics.
- *Crash Course Computer Science* – A clear and engaging overview of the history and theory of computing.
- *BBC Click* – Weekly tech news and stories (BBC iPlayer or YouTube).

Documentaries:

- *The Social Dilemma* (Netflix) – Explores how social media algorithms impact behaviour and privacy.

- *The Rise of the Robots* (BBC) – Investigates the growth of AI and automation.
- *Terms and Conditions May Apply* – Examines how companies use your data.

Podcasts:

- *Tech Tent* (BBC Sounds) – Weekly tech developments and industry discussion.
- *Reply All* – Stories about how people shape the internet and how the internet shapes people.
- *The Wired Podcast* – Trends in tech, business, and science.

TASK – Provide a summary of what you have watched/listened – what have you learned from this

Somethings to Read

Web Articles / Blogs:

- *BBC Bitesize – ICT GCSE / Computer Science A-Level* – Useful recaps and context bridging Year 11 and Year 12.
- *How Stuff Works – Tech* – Beginner-friendly breakdowns of how technologies function.
- *TechRadar* or *Wired UK* – To follow current consumer and industry technology trends.

TASK – Write a short summary of what you have read

Tech Skills Reading/Doing:

- Start learning basic HTML/CSS or Python and website development – bring examples of the work you have completed