Year 12 Transition

Welcome to Nailsea Sixth Form



| KS5 Subject: | Information Tech | nology | |
|---|---|--|--|
| Objectives for Transition Tasks: | | | |
| • To culture an interest an | cted 6 th form study skills, d passion for your chosen f the subject to use in you | subject through enquiry | |
| Watch: | | Independent Task (to be submitted): | |
| What is the Internet? | | | |
| https://www.youtube.com/watch?v=Dxcc6ycZ73M&ab_c hannel=Code.org How does the Internet work? https://www.youtube.com/watch?v=TNQsmPf24go&ab_ channel=Vox | | Make a presentation with detailed speaker's notes to pitch an idea to the class on: 'My concept for a new Internet of Everything Device' Watch Emerging Technologies: https://www.youtube.com/watch?v=J1Kjm9X4V5w& ab channel=ITreviews Use your new knowledge about the Internet of Everything through the watch, read and research tasks. Consider the following questions in your presentation | |
| What is the Internet of Everything? <u>https://www.youtube.com/watch?v=6mBO2vqLv38&ab_channel=Simplilearn</u> Internet of Everything Devices <u>https://www.youtube.com/watch?v=1VhO4yGAjyo&ab_channel=ScienceTime</u> | | | |
| Read: Potential development projects in | | of-things- ial/ device use? y/health or An estimate of how much your device would cost would you have any competitors in the market? Matter teamered; How will you market your device? would you have any competitors in the market? How will you market your device? | |
| https://econsultancy.com/six-int applications-in-big-new-governm Potential development projects in home/garden https://www.libelium.com/libeliu stories/precision-agriculture-and organic-crops-with-libeliums-iot- Potential development projects in environment https://www.softwareag.com/en .html | ent-trial/ n body/health or <u>imworld/success-</u> -automatic-irrigation-in- technology/# n industry or | | |

Aim Higher Task:

Explain the potential cyber security issues your device may have and how you would protect against these?

Watch:

https://www.youtube.com/watch?v=pGtnC1jKpMg&ab_channel=TEDxTalks

<u>Read:</u>

https://www.comptia.org/content/articles/what-is-iot-cybersecurity

Research:

https://www.iotworldtoday.com/2021/09/17/iot-cyberattacks-escalate-in-2021-according-to-kaspersky/



DEADLINE FOR TRANSITION TASK: Please bring to your first lesson in September.