Subject Curriculum Overview for Academic Year 2022/2023

Subject: ICT Diploma	Subject Leader: L Kenvyn	Year Group: 12	AUTUMN TERM
Topic	**Key Learning Points**	**Key Vocabulary**	**Assessments**
Developing a Smarter Planet	• Understand what is meant by a Smarter Planet • Be able to propose ways to extend the scope of the Smarter Planet • Be able to present, refine and evaluate Smarter Planet concepts • Describe the impacts of the Smarter Planet on society • Evaluate why the Smarter Planet concept is important for a global society • Explain the impact of the Smarter Planet within a specified sector	Smarter planet Interconnected Feasibility study Business sectors Global vs Local Stakeholder Proposal	Coursework units are marked on submission of the project as a whole. Informal feedback is given as each section is being completed by the class teachers. The projects are broken down into tasks that each have there own submissions to make the progress of the work easier to track.
Internet of Everything	• Understand what is meant by the Internet of Everything (IoE) • Be able to repurpose technologies to extend the scope of the IoE • Be able to present concept ideas for repurposed developments • Analyse the global impacts of the IoE on society and the environment • Explain the four pillars of the IoE and how its innovations can transform businesses • Conduct a feasibility study	IOE Internet World Wide Web Interconnected Feasibility study Business sectors Global vs Local Stakeholder Proposal	

Subject Curriculum Overview for Academic Year 2022/2023

Subject: ICT Diploma	Subject Leader: L Kenvyn	Year Group: 12	SPRING TERM
Topic	**Key Learning Points**	**Key Vocabulary**	**Assessments**
Developing a Smarter Planet	• Understand what is meant by a Smarter Planet • Be able to propose ways to extend the scope of the Smarter Planet • Be able to present, refine and evaluate Smarter Planet concepts • Describe the impacts of the Smarter Planet on society • Evaluate why the Smarter Planet concept is important for a global society • Explain the impact of the Smarter Planet within a specified sector	Smarter planet Interconnected Feasibility study Business sectors Global vs Local Stakeholder Proposal	Coursework units are marked on submission of the project as a whole. Informal feedback is given as each section is being completed by the class teachers. The projects are broken down into tasks that each have there own submissions to make the progress of the work easier to track.
Internet of Everything	• Understand what is meant by the Internet of Everything (IoE) • Be able to repurpose technologies to extend the scope of the IoE • Be able to present concept ideas for repurposed developments • Analyse the global impacts of the IoE on society and the environment • Explain the four pillars of the IoE and how its innovations can transform businesses • Conduct a feasibility study	IOE Internet World Wide Web Interconnected Feasibility study Business sectors Global vs Local Stakeholder Proposal	
Project Management	• Understand the project life cycle • Be able to initiate and plan projects • Be able to execute projects • Be able to carry out project evaluations • Explain the different phases within an identified project life cycle • Describe different project methodologies • Compare the features and benefits of different project methodologies	Project plan Evaluation Feasibility Methodologies Target market	
Product Development	• Understand the product development life cycle • Be able to design products that meet identified client requirements • Be able to implement and test products • Be able to carry out acceptance testing with clients • Compare and contrast different product development methodologies	Project plan Evaluation Feasibility Methodologies Target market	

Subject Curriculum Overview for Academic Year 2022/2023

Subject: ICT Diploma	Subject Leader: L Kenvyn	Year Group: 12	SUMMER TERM
Topic	**Key Learning Points**	**Key Vocabulary**	**Assessments**
Project Management	• Understand the project life cycle • Be able to initiate and plan projects • Be able to execute projects • Be able to carry out project evaluations • Explain the different phases within an identified project life cycle • Describe different project methodologies • Compare the features and benefits of different project methodologies	Project plan Evaluation Feasibility Methodologies Target market	Coursework units are marked on submission of the project as a whole. Informal feedback is given as each section is being completed by the class teachers. The projects are broken down into tasks that each have there own submissions to make the progress of the work easier to track.
Product Development	• Understand the product development life cycle • Be able to design products that meet identified client requirements • Be able to implement and test products • Be able to carry out acceptance testing with clients • Compare and contrast different product development methodologies	Project plan Evaluation Feasibility Methodologies Target market	

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How parents can support learning in the subject this academic year
Encourage students to make use of their free time, making sure they are staying on top of their coursework submissions. For so many students this can be the first subject that they take where coursework is a major element of the course, and they can start to neglect it as they are unfamiliar with having to manage working on large written elements.

Recommended Reading
• Unit 8 Specification – https://www.ocr.org.uk/Images/267358-project-management.pdf • Unit 9 Specification – https://www.ocr.org.uk/Images/267360-product-development.pdf • Unit 16 Specification – https://www.ocr.org.uk/Images/267468-developing-a-smarter-planet.pdf • Unit 17 Specification – https://www.ocr.org.uk/Images/267469-internet-of-everything.pdf

Points to note
The Diploma in IT teaches the same units as the single ICT class, but also contains 6 extra coursework units taught over two year.