



	Demonstrating Knowledge and Understanding	Applying Knowledge and Understanding	Design and Create	Analyse and Develop
Mastering	<ul style="list-style-type: none"> • Can demonstrate knowledge and understanding of all the key concepts; Hardware and Software, Organisations Skills, iPad Use, Application use, Hardware Components, Health and Safety, Ethical, Legislations. Also, Understands and can explain multitasking by computers. • Can identify and explain each component of a Computer System (CPU, RAM, ROM, Motherboard, HDD, CPU components) • Understands and can explain Moore's Law. • Can describe the different types of networks and the three network topologies 	<ul style="list-style-type: none"> • Can apply knowledge and understanding of all the following: Data Representation, Binary, Decimal, Hexadecimals, Addition, Truth Tables, Logic gates • Performs operations using conversion between denary to binary and hexadecimal and addition • Understands and can explain the need for data compression, and performs simple compression methods. 	<ul style="list-style-type: none"> • Can produce a comprehensive design to create a solution that covers all stated objectives • Identified fully and described in detail the inputs and outputs facilities to be provided by the user interface which will be fit for purpose • Can design and create using all the skills obtain from; HTML, URL, Web, DNS, Server, IP Address, The Internet, Networks, Cybersecurity • Can design and create a 5 pages website fully formatted and hyperlinked 	<p>Able to complete a thorough analysis of the given scenario identifying all of the requirements:</p> <ul style="list-style-type: none"> • data required to create an effective solution • processing to be carried out by the solution • required outputs from the solution <p>Produce a detailed set of objectives, that are measurable, that define clearly the tasks required to create an effective and fully functional solution</p> <ul style="list-style-type: none"> • Create an algorithm and or flowchart for solution <p>Create a report including all of the following; analysis, design, implementation, testing and evaluation sections.</p>
Deepening	<ul style="list-style-type: none"> • Can demonstrate knowledge and understanding of most the key concepts; Hardware and Software, Organisations Skills, iPad Use, Application use, Hardware Components, Health and Safety, Ethical, Legislations • Can identify and explain most of the component of a Computer System (CPU, RAM, ROM, Motherboard, HDD, CPU components) • Can design and create a spreadsheet using sum, average, calculate total and format spreadsheets 	<ul style="list-style-type: none"> • Can apply knowledge and understanding of most of the following: Data Representation, Binary, Decimal, Hexadecimals, Addition, Truth Tables, Logic gates • Performs some operations using conversion between denary to binary and hexadecimal and addition • Understands and can explain the need for data compression, and performs simple compression methods. 	<ul style="list-style-type: none"> • Can produce a good design to create a solution that covers some stated objectives • Identify and described most of the inputs and outputs facilities to be provided by the user interface which will be fit for purpose • Can design and create using most of the skills obtained from; HTML, URL, Web, DNS, Server, IP Address, The Internet, Networks, Cybersecurity • Can design and create a 4 pages website fully formatted and hyperlinked 	<p>Able to complete a thorough analysis of the given scenario identifying some of the requirements:</p> <ul style="list-style-type: none"> • data required to create an effective solution • processing to be carried out by the solution • required outputs from the solution <p>Produced a detailed set of objective, that are measurable, that define clearly the tasks required to create effective and fully functional solution</p> <ul style="list-style-type: none"> • Create an algorithm and or flowchart for solution <p>Create a report including some sections from the following: analysis, design, implementation, testing and evaluation.</p>
Securing	<ul style="list-style-type: none"> • Can demonstrate knowledge and understanding of some of the key concepts; Hardware and Software, Organisations Skills, iPad Use, Application use, Hardware Components, Health and Safety, Ethical, Legislations • Can identify and explain some of the component of a Computer System (CPU, RAM, ROM, Motherboard, HDD, CPU components) • Can organise folders, name convention, use emails, GoodNotes and google images including settings and backups etc. • Can design and create a spreadsheet using most of the formulas: sum, average, calculate total and format spreadsheets 	<ul style="list-style-type: none"> • Can apply knowledge and understanding of some of the following: Data Representation, Binary, Decimal, Hexadecimals, Addition, Truth Tables, Logic gates • Performs some operations using conversion between denary to binary and hexadecimal and addition • Understands and can explain the need for data compression, and performs simple compression methods. 	<ul style="list-style-type: none"> • Can produce a design to create a solution that covers some stated objectives • Identify fully and describe some of the inputs and output facilities to be provided by the user interface which will be fit for purpose • Can design and create using some of the skills obtained from; HTML, URL, Web, DNS, Server, IP Address, The Internet, Networks, Cybersecurity • Can design and create a 3 pages website fully formatted and hyperlinked 	<p>Able to complete an analysis of the given scenario identifying a few of the requirements:</p> <ul style="list-style-type: none"> • data required to create an effective solution • processing to be carried out by the solution • required outputs from the solution <p>Produced a set of objectives, that are measurable, that define clearly the tasks required to create effective and fully functional solution</p> <ul style="list-style-type: none"> • Create an algorithm and flowchart for solution
Developing	<ul style="list-style-type: none"> • Can demonstrate knowledge and understanding of a few of the key concepts; Hardware and Software, Organisations Skills, iPad Use, Application use, Hardware Components, Health and Safety, Ethical, Legislations • Can identify and explain few of the component of a Computer System (CPU, RAM, ROM, Motherboard, HDD, CPU components) • Can do most of the following; organise folders, name convention, use emails, GoodNotes and google images including settings and backups etc. • Can design and create a spreadsheet using some of the formulas: sum, average, calculate total and format spreadsheets 	<ul style="list-style-type: none"> • Can apply knowledge and understanding of a few of the following: Data Representation, Binary, Decimal, Hexadecimals, Addition, Truth Tables, Logic gates • Performs a few operations using conversions between denary to binary and hexadecimal and addition • Understands and can explain the need for data compression, and performs simple compression methods. 	<ul style="list-style-type: none"> • Can produce a design to create a solution that covers few of the stated objectives • Identify and describe a few of the input and output facilities to be provided by the user interface which will be fit for purpose • Can design and create using few of the skills obtain from; HTML, URL, Web, DNS, Server, IP Address, The Internet, Networks, Cybersecurity • Can design and create a 2 pages website fully formatted and hyperlinked 	<p>Able to complete an analysis of the given scenario identifying one of the requirements:</p> <ul style="list-style-type: none"> • data required to create an effective solution • processing to be carried out by the solution • required outputs from the solution <p>Produce a set of objectives, that are measurable, that define clearly the tasks required to create effective and fully functional solution</p> <p>Create an algorithm and or flowchart for solution</p>

<p>Emerging</p>	<ul style="list-style-type: none"> • Can demonstrate knowledge and understanding of one of the key concepts: <ul style="list-style-type: none"> • Hardware and Software, Organisations Skills, iPad Use, Application use, Hardware Components, Health and Safety, Ethical, Legislations • Can identify and explain one of the component of a Computer System (CPU, RAM, ROM, Motherboard, HDD, CPU components) <ul style="list-style-type: none"> • Can do a few of the following; organise folders, name convention, use emails, GoodNotes and google images including settings and backups etc. • Can design and create a spreadsheet using a few of the formulas: sum, average, calculate total and format spreadsheets 	<ul style="list-style-type: none"> • Can apply knowledge and understanding of one of the following: Data Representation, Binary, Decimal, Hexadecimals, Addition, Truth Tables, Logic gates • Perform one operation using conversion between denary to binary and hexadecimal, addition and subtractions 	<ul style="list-style-type: none"> • Can produced a design to create a solution that covers one of the stated objectives • Identify and describe a few of the inputs and outputs facilities to be provided by the user interface which will be fit for purpose • Can design and create using one of the skills obtain from; HTML, URL, Web, DNS, Server, IP Address, The Internet, Networks, Cybersecurity • Can design and create a 1 page website fully formatted and hyperlinked 	<p>Able to complete an analysis of the given scenario identifying one of the requirements:</p> <ul style="list-style-type: none"> • data required to create an effective solution • processing to be carried out by the solution • required outputs from the solution <p>Produced a few objectives, that are measurable, that define clearly the tasks required to create effective and fully functional solution</p> <p>Create an algorithm and or flowchart for solution</p>
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