

## Co-op Academy Leeds Year 11: WJEC Level 1/2 ICT - Long Term Plan 2024-25

All lessons will follow the Co-op Academy Lesson Journey and include a (retrieval) Do Now, Lesson Intentions, Success Criteria, Explicit Instruction, Quality Time/Practice, Review

ROLLOVER					
Week	37	38	39	40	41
W/C Date	24-Jun 23	01-Jul 23	08-Jul 23	15-Jul 23	22-Jul 23
Specification	Unit 1: ICT In Society				
Topic	1.1 How IT can be used to fulfil the needs of organisations and individuals				
	1.1.1 Functionality of different hardware devices	1.1.2 Functionality of different software	1.1.3 Services provided by IT		
Key Objectives	outline the definition of a computer system	identify the different types of software	identify the different services provided by IT (banking, gaming, social networking, music, mobile phones, payroll, e-commerce NOT EXHAUSTIVE LIST SEE SPECIFICATION)	identify the different services provided by IT (banking, gaming, social networking, music, mobile phones, payroll, e-commerce)	identify the different services provided by IT (banking, gaming, social networking, music, mobile phones, payroll, e-commerce)
	describe input, output, storage devices and ports of a computer system	explain the difference between the different types of software	compare the different IT services provided by businesses	compare the different IT services provided by businesses	compare the different IT services provided by businesses
	explain the different components of a computer system	Analyse the difference between open source and proprietary software	discuss how each services improves efficiency and productivity for businesses or individuals	discuss how each services improves efficiency and productivity for businesses or individuals	discuss how each services improves efficiency and productivity for businesses or individuals
Retrieval / Assessment / DC				MCQs	DIRT

### Department Computer Science and ICT

#### Retrieval and Assessment Key

	STAR Assessment / Summative Marking
	Quizzes / Formative Assessment and Marking
	Student Voice
	Live Feedback inc Whole Class Feedback
	DIRT / Reflection

	Data Capture
	Interventions
	Assessment Learner Review / Book Reviews / Work Scrutiny

\*\*\*The LTP has declarative (theory) and procedural (practice) knowledge and skills embedded to allow learners to successfully complete the WJEC Level 1 / 2 Vocational ICT specification.\*\*\*

#### Year 10 Unit 1 precise powerful knowledge, understanding and skills to be developed:

- Know the functionality of different hardware devices and different software
- Know the services provided by IT
- Understand why data must be fit for purpose
- Understand how input data is checked for errors
- Understands how data transfers over different types of networks
- Understand the different types of connectivity
- Examine the risks to information held on computers
- Examine impact of data loss, theft or manipulation on individuals and businesses
- Examine the methods used to protect information
- Explore how moral and ethical issues affect computer users
- Explore how legal issues protect computer users
- Explore the cultural, personal and environmental impact of ICT
- Explore how a digital footprint can impact computer users

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Week	1	2	3	4	5	6	7	8		9	10	11	12	13	14	15				
W/C Date	02-Sep	09-Sep	16-Sep	23-Sep	30-Sep	07-Oct	14-Oct	21-Oct		04-Nov	11-Nov	09-Nov	25-Nov	02-Dec	09-Dec	16-Dec				
Specification	Unit 1: ICT In Society									Unit 1: ICT In Society										
Topic	1.2 How data and information is used and transferred									1.2 How data and information is used and transferred										
	1.2.1 Why data must be fit for purpose				1.2.2 How input data is checked for errors						1.2.3 How data transfers over different types of network				1.2.4 Different types of connectivity					
Key Objectives	state the meaning of data	outline the difference between data, information and knowledge	describe the improvements in speed of access to data and increased storage	identify meta data	identify the different types of data capture methods	identify the different types of data capture methods	state the different types of techniques used to overcome errors	state the different types of techniques used to overcome errors		outline purpose of networks	describe how networks operate	compare the different network topologies (Bus, Star, Ring)	assess the different potential threats to data transfer	identify the different types of connection methods	outline the different types of medium range wireless connections	describe the different connection methods e.g. ethernet, USB, micro USB and USB C				
	explain how information is data which has been processed by the computer	explain the need for good quality data	analyse the different types of storage devices	explain the lossy and lossless compression	describe the methods used for validation and verification and their use	describe the methods used for validation and verification and their use	analyse the different types of techniques used to overcome errors	analyse the different types of techniques used to overcome errors	HALF-TERM	define LAN and WAN	state the purpose of the different devices needed to set up a LAN network	outline the purpose of the different protocols	compare cloud computing with in-house servers	compare the Bluetooth, NFCs and RFIDs	compare the difference between medium and long range wireless technology	compare the different connection methods e.g. ethernet, USB, micro USB and USB C	HALF-TERM	HALF-TERM		
	describe how knowledge is derived from information by applying rules to it	discuss the benefits of encoding data and the reasons for doing it	assess the advantages and disadvantages of using ICT for storing data	justify the use of different file types	Identify sources of error	Identify sources of error	apply the different types of techniques used to overcome errors in a given scenario	apply the different types of techniques used to overcome errors in a given scenario		identify the difference between LAN and WAM	compare similarities and differences between internet, extranet, and intranet	describe how data is transferred over a network using packets	discuss emerging technologies such as Smart Cities; Self-driving cars, Amazon Go	justify the use of a particular connection method in a given scenario	assess the use of medium and long range wireless technology	evaluate the different connection methods in a given scenario				
Retrieval	Baseline Test	Learner Work Review				STAR DIRT		Learner Work Scrutiny		Y10 DC1					STAR DIRT	Learner Work Scrutiny & Review				
Interventions	Interventions on learners that not performing according to target grades									Interventions on learners that not performing according to target grades										

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Week	16	17	18	19	20		21	26	27	28	29	30			31
W/C Date	06-Jan	13-Jan	20-Jan	27-Jan	03-Feb		17-Feb	24-Feb	02-Mar	09-Mar	16-Mar	23-Mar			13-Apr
Specification	Unit 1: ICT In Society						Unit 1: ICT In Society								
Topic	1.3 Legal, moral, ethical, cultural and environmental impacts of IT and the need for cybersecurity						1.3 Legal, moral, ethical, cultural and environmental impacts of IT and the need for cybersecurity								
	1.3.1 Risks to information held on computers		1.3.2 The impact of data loss, theft or manipulation on individuals and businesses				1.3.3 Methods used to protect information		1.3.4 How moral and ethical issues affect computer users		1.3.5 How legal issues protect computer users	1.3.6 The cultural, personal and environmental impact of ICT			
Key Objectives	state the different ways accidental damage can occur to data	explain the different types of threats to a network	describe the financial implications of data loss	describe the moral and legal implications of data loss, theft or manipulation	describe the moral and legal implications of data loss, theft or manipulation	HALF-TERM	explain the different types of logical protection	explain the different types of physical protection and security policies	define the meaning of moral and ethical issues in the context of computer use	define the meaning of moral and ethical issues in the context of computer use	list the different laws that protect computer users	list the different ways businesses are impacted by the introduction of ICT	HALF-TERM	HALF-TERM	list the different ways businesses are impacted by the introduction of ICT
	outline how unintended disclosure can occur	assess the different types of malicious software	explain the financial implications of data theft	analyse the moral and legal implications of data loss, theft or manipulation on a business	analyse the moral and legal implications of data loss, theft or manipulation on a business		apply logical protection to a given scenario	apply physical protection and security policies in a given scenario	explain why privacy and security are moral and ethical issues	explain why privacy and security are moral and ethical issues	explain how each law protects computer users	explain the different ways businesses are impacted by the introduction of ICT			explain the different ways businesses are impacted by the introduction of ICT
	assess the impact of foreseeable and unforeseeable loss of data	discuss the different types of hacking	evaluate the impact of data loss, theft and manipulation on businesses and individuals	assess the impact of moral and legal implications of data loss, theft or manipulation on a business	assess the impact of moral and legal implications of data loss, theft or manipulation on a business		discuss the impact of having a lack of logical protection	discuss the impact of having a lack of physical protection in a given scenario	discuss the impact of monitoring individuals on privacy (use of AI; cookies and data collection)	discuss the impact of monitoring individuals on privacy (use of AI; cookies and data collection)	apply the law to a given scenario and assess its impact	assess the impact of the introduction of ICT on businesses and individuals			assess the impact of the introduction of ICT on businesses and individuals
		MCQs			STAR DIRT		Learner Work Scrutiny			low stakes quizzing	Y10 DC2	Learner Work Scrutiny			
Interventions	Interventions (Breakfast, Lunch and After School)						Interventions (Breakfast, Lunch and After School)								

Week	32	33	34	35	36		40	41	42		43	44	45	46
W/C Date	20-Apr	27-Apr	04-May	11-May	18-May		01-Jun	08-Jun	10-Jun		22-Jun	01-Jul	06-Jul	13-Jul
Specification	Unit 1: ICT In Society					HAL				ROL				

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Topic	1.3.7 How a digital footprint can impact computer users				REVISION							
Key Objectives	Define a digital footprint	Define a digital footprint	EXAM MOCK WALK THROUGH	REVISION	EXAM WEEK	REVISION - STUDY LEAVE				ROLLOVER		
	Explain the passive and active digital footprints	Explain the passive and active digital footprints	EXAM MOCK WALK THROUGH	REVISION	EXAM WEEK							
	Discuss the impact of having a digital footprint on businesses and individuals	Discuss the impact of having a digital footprint on businesses and individuals	EXAM MOCK WALK THROUGH	REVISION	EXAM WEEK							
Retrieval / Assessment / DC			STAR	STAR				Y10 DC3				
			DIRT	DIRT								
			Learner Work Review	Learner Work Review								
Interventions	Interventions (Breakfast, Lunch and After School)					Interventions (Breakfast, Lunch and After School)						