Northfleet Technology College

KS4 Long Term Plan 2026-2027

Subject: *Digital Information Technology*

Year: *10*

Exam Specification: *Pearson BTEC*

Term	Topic(s)	Overall Aims	Assessments (Summative on Pupil Progress)	Proof of Learning Checks (Formative in Books)	Spellings	Resources and Location	Homework
1 **2**	Component 1: Exploring User Interface Design Principles and Project Planning Techniques	Learners will develop their understanding of what makes an effective user interface and how to effectively manage a project. They will use this understanding to plan, design and create a user interface.	Submission of Component 1 PSAB	Digital completion of practice PSAB tasks	User interface (UI), Graphical User Interface (GUI), Menu interface, Command-line interface (CLI), Form interface, Natural language interface, Touch interface, Voice interface, Fitness for purpose, Accessibility, Consistency, Simplicity, Navigation, Feedback, Visibility, Efficiency, Learnability, User-centred design, Buttons, Icons, Menus, Navigation bar, Toolbar, Hyperlink, Text box, Drop-down list, Radio button, Checkbox, Scroll bar, Slider, Search box, Image, Video, Audio, Progress bar, Colour contrast, Font size, Font style, Screen reader, Keyboard	https://drive.google.com/drive/folders/1CWDS1QJqSX9TaCpZPL7EJ1JHnAbF4pxO	Set via KnowItAllNinja online account

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					navigation, Captions, Alt text, Voice control, Magnification, Colour blindness, Dyslexia-friendly fonts, Logo, Branding, Colour scheme, Typography, White space, Layout, Alignment, Visual hierarchy, Client requirements, User requirements, Purpose, Audience, Success criteria, Constraints, Gantt chart, Timeline, Task list, Milestone, Deadline, Dependency, Primary research, Secondary research, Questionnaire, Interview, Observation, Survey, Mood board, Storyboard, Wireframe, Prototype, Mock-up, Annotation, Test plan, Test data, Expected outcome, Actual outcome, User testing, Feedback, Improvements, Evaluation		
3 **4**	Component 2: Collecting, Presenting and Interpreting Data	Learners will understand the characteristics of data and information and how they help organisations in decision making. They	Submission of Component 2 PSAB	Digital completion of practice PSAB tasks	Qualitative, Quantitative, Primary data, Secondary data, Numerical, Text, Boolean, Date/time, Questionnaire, Survey, Interview, Observation, Online form, Sampling, Accuracy, Validity, Reliability,	https://drive.google.com/drive/folders/1KDjMRgJGyrFPM-QNONIG_q_2XQmw56bv	Set via KnowItAllNinja online account

		will use data manipulation methods to create a dashboard to present and draw conclusions from information.			Completeness, Timeliness, Consistency, Presence check, Range check, Length check, Type check, Lookup check, Format check, Double entry, Visual check, Proofreading, Cell, Row, Column, Formula, Function, Relative reference, Absolute reference, Mixed reference, SUM, AVERAGE, MIN, MAX, COUNT, COUNTA, COUNTIF, IF, ROUND, Sort, Filter, Conditional formatting, Pivot table, What-if analysis, Bar chart, Column chart, Pie chart, Line graph, Scatter graph, Axis, Legend, Data series, Trend, Trend, Pattern, Outlier, Correlation, Comparison, Prediction, Findings, Conclusion, Recommendation, Justification, Evidence		
5 **6**	Component 3a: Effective Digital Working Practices: Modern Technologies	Learners should learn about how current and modern technologies are used by and have an impact on organisations and their	Summative PPE paper May Exam	Digital end of topic assessments	Desktop, Laptop, Tablet, Smartphone, Server, Peripheral, Input device, Output device, Operating system, Application software, Utility software, Cloud software, Web application, Cloud	https://drive.google.com/drive/folders/18A6YrAizx4qERCGaDNjNrvJGksnpaXez	Set via KnowItAllNinja online account

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		stakeholders. Learners need to know the ways in which organisations and associated individuals use modern technologies to exchange information, communicate, and complete work-related tasks. Learners must be able to apply their knowledge to a range of vocational contexts.			storage, SaaS, Backup, Synchronisation, Collaboration, Scalability, LAN, WAN, Wi-Fi, Ethernet, Bluetooth, NFC, Mobile data, Hotspot		

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1	Component 1: Exploring User Interface Design Principles and Project Planning Techniques	Learners will develop their understanding of what makes an effective user interface and how to effectively manage a project. They will use this understanding to plan, design and create a user interface.	Submission of Component 1 PSAB	Digital completion of practice PSAB tasks	User interface (UI), Graphical User Interface (GUI), Menu interface, Command-line interface (CLI), Form interface, Natural language interface, Touch interface, Voice interface, Fitness for purpose, Accessibility, Consistency, Simplicity, Navigation, Feedback, Visibility, Efficiency, Learnability, User-centred design, Buttons, Icons, Menus, Navigation bar, Toolbar, Hyperlink, Text box, Drop-down list, Radio button, Checkbox, Scroll bar, Slider, Search box, Image, Video, Audio, Progress bar, Colour contrast, Font size, Font style, Screen reader, Keyboard navigation, Captions, Alt text, Voice control, Magnification, Colour blindness, Dyslexia-friendly fonts, Logo, Branding, Colour scheme, Typography, White space, Layout, Alignment, Visual hierarchy, Client requirements, User requirements, Purpose, Audience, Success criteria, Constraints, Gantt chart, Timeline, Task list, Milestone, Deadline,	https://drive.google.com/drive/folders/1CWDS1QJqSX9TaCpZPL7EJ1JHnAbF4pxO	Set via KnowItAllNinja online account

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					Dependency, Primary research, Secondary research, Questionnaire, Interview, Observation, Survey, Mood board, Storyboard, Wireframe, Prototype, Mock-up, Annotation, Test plan, Test data, Expected outcome, Actual outcome, User testing, Feedback, Improvements, Evaluation		

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2	Component 3a: Modern Technologies	Learners should learn about how current and modern technologies are used by and have an impact on organisations and their stakeholders. Learners need to know the ways in which organisations and associated individuals use modern technologies to exchange information, communicate, and complete work-related tasks. Learners must be able to apply their knowledge to a range of vocational contexts.	PPEs / Final Exam	Digital end of topic assessments	Desktop, Laptop, Tablet, Smartphone, Server, Peripheral, Input device, Output device, Operating system, Application software, Utility software, Cloud software, Web application, Cloud storage, SaaS, Backup, Synchronisation, Collaboration, Scalability, LAN, WAN, Wi-Fi, Ethernet, Bluetooth, NFC, Mobile data, Hotspot	https://drive.google.com/drive/folders/1Ev6Ce6C57eM8dsOWFd5B8cdv3ZIwKoNv	Set via KnowItAllNinja online account

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	Component 3b: Cybersecurity	Learners must understand how the increased reliance of organisations on digital systems to hold data and perform vital functions presents a range of challenges and dangers. They should understand the nature of threats to digital systems and ways that they can be mitigated through organisation policy, procedures and the actions of individuals. They should be able to apply knowledge of cyber security to a range of vocational contexts.	PPEs / Final Exam	Digital end of topic assessments	Malware, Virus, Worm, Trojan, Ransomware, Spyware, Phishing, Smishing, Vishing, Brute force attack, Social engineering, Firewall, Antivirus, Encryption, Backup, Password, Passphrase, Biometrics, 2FA, MFA, Software updates, Acceptable Use Policy, Password policy, Data protection, GDPR, Computer Misuse Act, Copyright, Intellectual property	https://drive.google.com/drive/folders/17_rmxuhOVg5jhdpEVGG8kmGOlkx-_gK6	Set via KnowItAllNinja online account

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3	Component 3b: Cybersecurity cont. Component 3c: Implications of Digital Systems	Learners should understand the wider implications of digital systems and their use. Learners should understand how legislation covering data protection, computer crimes and intellectual property has an impact on the way that organisations and individuals use digital systems and data. Learners should understand the procedures that organisations must follow in order to conform to legal requirements and	PPEs / Final Exam	Digital end of topic assessments	GDPR, Copyright, Licensing, Intellectual property, Freedom of Information, Computer Misuse Act, Privacy, Surveillance, Digital footprint, Bias, Inclusion, Accessibility, Sustainability, E-waste	https://drive.google.com/drive/folders/1gxTvtJ4-5Wa24JuK_fAbp7UqvKr9ArO	Set via KnowItAllNinja online account

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		professional guidelines.					
4	Component 3d: Planning and Communication Revision	Learners should be able to interpret and use standard conventions to combine diagrammatical and written information to express an understanding of concepts.	PPEs / Final Exam	Digital end of topic assessments	Email, Instant messaging, Video conferencing, VoIP, Social media, Collaboration software, Internal, External, Formal, Informal, Attachment, Hyperlink, CC, BCC, Netiquette, , Working with Others, Shared document, Version control, Permissions, Cloud collaboration, Comments, Track changes, Roles, Responsibilities, Workflow, Productivity, Time management	https://drive.google.com/drive/folders/108iJclqcNFF2hrBrLx57oZZCUmUu-fAM	Set via KnowItAllNinja online account
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