Roundwood Park School Curriculum Map – BTEC DIT (Year 11)

A curriculum that stimulates curiosity, values diversity and offers challenge.
We help every student to love learning for life, to follow their passions and to reach their full potential.

Year 11	Autumn Term 1	Autumn Term 2	Spring Term 1	Spring Term 2	Summer Term
Unit of Work	Comp 3 Comp 2	Comp 3 Comp 2	Comp 3 Comp 2	Comp 3 Comp 2	Comp 3
Key knowledge Or Enquiry Question	Comp 3: **PLANNING AND COMMUNICATION** Data flow diagrams Flowcharts Comp 2: **BE ABLE TO CREATE A DASHBOARD USING DATA MANIPULATION TOOLS** Data processing methods	Comp 3: **PLANNING AND COMMUNICATION** System diagrams Tables Comp 2: **BE ABLE TO CREATE A DASHBOARD USING DATA MANIPULATION TOOLS** Data dashboard implementation	Comp 3: (revision) **MODERN TECHNOLOGIES CYBER SECURITY IMPLICATIONS OF DIGITAL SYSTEMS PLANNING AND COMMUNICATION** Comp 2: **DRAWING CONCLUSIONS AND REVIEW DATA PRESENTATION METHODS** Interpreting data Detecting errors in data	Comp 3: (revision) **MODERN TECHNOLOGIES CYBER SECURITY IMPLICATIONS OF DIGITAL SYSTEMS PLANNING AND COMMUNICATION** Comp 2: **DRAWING CONCLUSIONS AND REVIEW DATA PRESENTATION METHODS** Data presentation Information bias	Comp 3: (revision) **MODERN TECHNOLOGIES CYBER SECURITY IMPLICATIONS OF DIGITAL SYSTEMS PLANNING AND COMMUNICATION**
Concepts	Comp 3: To be able to interpret and use standard conventions to combine diagrammatical and written information to express an understanding of collected data.	Comp 3: To be able to interpret and use standard conventions to combine diagrammatical and written information to express an understanding of collected data.	Comp 3: The use of digital systems to complete every day, business-critical tasks. How organisations can use technology safely and how regulation and ethical and security concerns influence the way in which organisations operate. How organisations manage cyber security issues when working in a digital organisation. Understanding of the use of digital systems by organisations so that we are able to make reasoned judgements on the systems.	Comp 3: The use of digital systems to complete every day, business-critical tasks. How organisations can use technology safely and how regulation and ethical and security concerns influence the way in which organisations operate. How organisations manage cyber security issues when working in a digital organisation. Understanding of the use of digital systems by organisations so that we are able to make reasoned judgements on the systems.	Comp 3: The use of digital systems to complete every day, business-critical tasks. How organisations can use technology safely and how regulation and ethical and security concerns influence the way in which organisations operate. How organisations manage cyber security issues when working in a digital organisation. Understanding of the use of digital systems by organisations so that we are able to make reasoned judgements on the systems.
ASPIRE Habits	Resourceful learners	Resourceful learners	Reflective learners	Resilient learners	Responsible learners
Reading Opportunities	Information Dashboard Design: The Effective Visual Communication of Data by Stephen Few		Pearson REVISE BTEC National Business Revision Guide: for home learning, 2022 and 2023 assessments and exams (REVISE BTEC Nationals in Business) by Jon Sutherland, Diane Sutherland		
Key Vocabulary	Ad hoc network, open Wi-Fi, tethering, personal hotspot, developed/developing countries, infrastructure, network coverage, blackspot, access rights, synchronisation, availability, scalability, consistency, cloud storage, cloud computing, file versions, interface design, layout , accessibility, notifications, disaster recovery, data security, compatibility, downtime, responsiveness, complexity, diversity, multicultural, inclusivity, flexibility, 24/7/365, collaboration tools, communication platforms, stakeholders, alt text, screen reader, depression, stress, Hacker, system attack, black hat, white hat, grey hat, malware, virus, worm, botnet, rootkit, Trojan, ransomware, spyware, Denial of Service, phishing, pharming, social engineering, shoulder surfing, 'man-in-the-middle' attacks, unintentional disclosure, information theft, security controls, security breach, internal threat, passwords, access levels, biometrics, two-factor authentication, ethical hacking, penetration testing, system analysis, behaviour analysis, firewall, interface design, autocomplete, anti-virus, device hardening, encryption, cyber security, policy, acceptable use policy (AUP), disaster recovery, backups, Shared data, location-based data, GPS, transactional data, cookies, data exchange, privacy, ethics, manufacture, disposal, energy, waste, rare materials, upgrade, replace, policy settings, auto power off, power-saving, equal access, equality, net neutrality, acceptable use policies, scope, assets, monitoring, sanctions, social media, professional life, data protection, lawful processing, accuracy, data subject, right to be forgotten, trademarks, patents, copyright, permissions, licensing, attribution, unauthorised access, unauthorised modification, malware, Data flow diagram, information flow diagram, system diagram, flowchart, variable, chart, range, maximum, minimum.				