

YEAR 13 CURRICULUM INFORMATION – BTEC ICT

| | Autumn 1 | | Autumn 2 | |
|---|--|---|--|---|
| What will students be learning? | Unit 1: Information Technology systems Students will be learning about the following topics: - Topic B – Transmitting Data <ul style="list-style-type: none"> • Connectivity • Networks • Issues related to transmission. Topic D - Protecting Data and Information <ul style="list-style-type: none"> • Threats to data, information, and systems • Protecting Data Topic F – Legal Issues <ul style="list-style-type: none"> • Moral and ethical issues • Legal Issues | | Unit 1: Information Technology systems Students will be learning about the following topics: - Topic C – Operating Online <ul style="list-style-type: none"> • Online Systems • Online communities Topic E – Impact of IT Systems <ul style="list-style-type: none"> • Online Services • Impact on organisations • Using and manipulating data | |
| How will students be assessed? | Students will be assessed on each main topic in the specification with a written test based on exam style questions. | | | |
| Literacy – What keywords will be taught? | <ul style="list-style-type: none"> • Virtual Private Network (VPN) • Bandwidth • Compression • Malware | <ul style="list-style-type: none"> • Encryption • Information Commissioner • British Standards Institute (BSI) codes of practice | <ul style="list-style-type: none"> • Cloud Storage • Accessibility • Transactional data • Targeted marketing • Collaborative working | <ul style="list-style-type: none"> • Data Logging • Stock Control • Validation • Verification • User Interface |
| What employability skills are being developed? | Problem solving skills, logical reasoning, numeracy, information use, thinking skills, resilience, self-management, written communication. | | | |
| Wider Curriculum Links? | Business Studies - impacts of digital technology in Business and the workplace, legislation, ethics, marketing, | | | |
| What useful websites are there for this topic? | A revision website students have log in details for with revision material. Information Technology Systems - KnowItAllNinja | | | |
| What wider reading could be done for this topic? | Course information can be found on this website BTEC Nationals Information Technology (2016) Pearson qualifications | | | |
| What else can students be doing independently to develop their understanding of this topic? | Students could prepare revision cards/notes on each topic area. Students to complete practice exam questions using the past papers and mark schemes available. | | | |