

BTEC Tech Award DIT – Component 3 Revision List

Purpose of this Guide

This revision guide is designed for **BTEC Digital Information Technology (DIT) Level 1 / Level 2** students and their parents. It explains **what to revise, how to revise, and how parents can support revision** in the lead-up to the **exam in May** and the **final Year 11 grade**.

Students are encouraged to take increasing ownership of their revision, with parental support.

This revision list is aligned to **Component 3 content** and the **Assessment Objectives (AO1–AO4)**. It can be used to understand **what must be revised and how it will be assessed**.

Assessment Objectives – What the Exam Is Testing

AO1 – Knowledge

Know facts, terms, processes and issues.

AO2 – Understanding

Explain how and why technologies, processes and issues are used.

AO3 – Application

Apply knowledge to scenarios and real organisational contexts.

AO4 – Making Connections

Link ideas together, explain impacts, advantages, disadvantages and consequences.

Key Topics to Revise (All Students)

All students should revise the following core areas. These appear in the exam and are essential for passing.

A. Modern Technologies (Will be in PPE2 Test)

A1 Uses of Modern Technologies (AO1 / AO2)

Students should revise: - Communication technologies: - Open Wi-Fi, tethering/personal hotspots - Security risks of open networks - Performance issues - Network availability (rural vs city, developing vs developed countries, blackspots)

- **Cloud storage features and uses**
 - **Cloud computing features and uses:**
 - **Platform and service selection:**
 - **Using cloud and traditional systems together:**
 - **Implications for organisations:**
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A2 Impact of Modern Technologies (AO2 / AO3 / AO4)

Students should revise: - Changes to modern teams: - Global and multicultural teams - Inclusivity and accessibility - 24/7 working across time zones - Flexible working arrangements

- **Managing teams using technology:**
 - **Communication with stakeholders:**
 - **Inclusivity and accessibility:**
 - **Positive and negative impacts on organisations:**
 - **Positive and negative impacts on individuals:**
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B. Cyber Security (Will be in PPE2 Test)

B1 Threats to Data (AO1 / AO2)

Students should revise: - Reasons systems are attacked: - Financial gain - Fun or challenge - Personal attacks - Disruption - Data theft

- **External threats:**
 - **Internal threats:**
 - **Impact of security breaches:**
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B2 Preventing and Managing Threats (AO2 / AO3)

Students should revise: - User access restrictions: - Physical security - Passwords - Access levels - Biometrics - Two-factor authentication

- **Data protection methods:**
 - **Finding and fixing weaknesses:**
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B3 Security Policies (AO2 / AO3 / AO4)

Students should revise: - Defining responsibilities and reporting concerns - Security parameters (passwords, software use, device settings) - Disaster recovery policies: - Backup schedules - Recovery timelines - Alternative locations

- **Actions after a cyber attack:**
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C. Wider Implications of Digital Systems

C1 Responsible Use (AO2 / AO4)

Students should revise: - Shared data: - Benefits and drawbacks - Privacy, legal and ethical considerations

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- **Environmental impact:**
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C2 Legal and Ethical Issues (AO1 / AO2 / AO4)

Students should revise: - Equal access to services and information - Net neutrality - Acceptable Use Policies: - Scope, assets, acceptable and unacceptable use - Monitoring, sanctions, agreement

- **Social and business boundaries:**
 - **Data protection principles:**
 - **Internet data rights:**
 - **Intellectual property:**
 - **Criminal use of computer systems:**
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D. Planning and Communication in Digital Systems

D1 Forms of Notation (AO1 / AO3)

Students should revise: - Data flow diagrams - Flowcharts - System diagrams - Tables - Written explanations

Students should be able to: - Interpret information shown in diagrams - Create simple diagrams to explain systems and processes

Exam Reminder

- **AO1:** Know the facts
- **AO2:** Explain how and why
- **AO3:** Apply to scenarios
- **AO4:** Link ideas and explain impact

This revision list covers everything required for **Component 3 of the BTEC Tech Award in Digital Information Technology**.