

Key Stage 3 ICT / Computer Science

Year 9

ROAD TO SUCCESS...

Term 1

1: Music Festival Project

- SKILLS & KNOWLEDGE:**
1. Key ICT concepts, related to GCSE iMedia, including:
 - a) Pre-Production Skills
 - b) Graphics Design
 - c) Video Editing
 - d) Audio Production
 - e) Animation
 - f) Database Design
 - g) Word Processing Skills
 - h) Mail Merging
 - i) Evaluation Skills

MAIN HOME LEARNING
→ Video Trailer
Storyboard

MAIN ASSESSED TASK
→ Final Products Created for Project and Evaluation

Term 3

3: Searching /Sorting Algorithms

- SKILLS & KNOWLEDGE:**
1. Different Sorting Methods (Bubble and Merge)
 2. Different Searching Methods (Linear and Binary)
 3. Comparing Algorithm Efficiency

MAIN HOME LEARNING
→ Sorting and Searching Questions

MAIN ASSESSED TASK
→ Sorting Algorithm Class Task Sheets

Term 2

2: Digital Communications

- SKILLS & KNOWLEDGE:**
1. Communications Methods
 2. History of Communication
 3. Binary / Binary Addition
 4. Networks & Topologies
 5. Network Hardware
 6. Internet & WWW

MAIN HOME LEARNING
→ Binary Questions
→ Topic Revision Questions

MAIN ASSESSED TASK
→ Exam Paper on Communication / Binary and Networks

4: Advanced Python Programming

- SKILLS & KNOWLEDGE:**
1. For Loops (Count)
 2. For Loops (Strings)
 3. Using Arrays
 4. Creating Functions (Sub-Routines)

MAIN HOME LEARNING
→ Python Key Knowledge Quiz

MAIN ASSESSED TASK
→ Python Coding Assessment

