



Learning Journey: Year 10 GCSE Computer Science

- ✓ Types of Computer
- ✓ Computer Hardware
- ✓ Software & Operating Systems
- ✓ User Interfaces
- ✓ How a CPU works
- ✓ Fetch-Decode-Execute

Unit 1 Computer Systems

- ✓ Types of Algorithm
- ✓ Searching Algorithms
- ✓ Sorting Algorithms
- ✓ Abstraction
- ✓ Decomposition
- ✓ Devising an Algorithm

Unit 3 Fundamentals of Algorithms

- ✓ Database Fundamentals
- ✓ Database Schemas
- ✓ Queries & SQL
- ✓ Relationships
- ✓ Big Data
- ✓ Exam Questions

Unit 5 Relational Databases

- ✓ Social Engineering
- ✓ Malicious Code
- ✓ Human Error
- ✓ E-Safety
- ✓ Preventing Problems
- ✓ Exam Questions

Unit 7 Cyber Security

Unit 2 Programming in Python

- ✓ Instructions & Functions
- ✓ Using Random Numbers
- ✓ Iteration (For & While Loops)
- ✓ Loading & Saving Files
- ✓ Data Structures
- ✓ Independent Challenge

Unit 4 Data Representation

- ✓ Binary & Hexadecimal
- ✓ Boolean Logic
- ✓ Binary Arithmetic
- ✓ Representing Text
- ✓ Representing Images & Sound
- ✓ Compressing Data

Unit 6 Computer Networks

- ✓ Types of Network
- ✓ Wired vs Wireless
- ✓ Network Topologies
- ✓ Network Protocols
- ✓ Security Concerns
- ✓ How Networks Work

Unit 8 Programming Project

- ✓ Interpreting a Brief
- ✓ Program Design
- ✓ Implementing a Program
- ✓ Documenting Code
- ✓ Testing the Program
- ✓ Evaluation

Learning Journey: Year 10 Creative iMedia

- ✓ Design Principles
- ✓ Visual Identity
- ✓ Pre-Production Docs
- ✓ Project Stages
- ✓ Client Briefs
- ✓ Copyright & Legislation

Intro to iMedia



R094 Practice Assignment

- ✓ Interpreting a Brief
- ✓ Planning a Project
- ✓ Designing Products
- ✓ Gathering Assets
- ✓ Creating a Product
- ✓ Exporting in Required Formats



- ✓ Independent Work
- ✓ Time Management
- ✓ Designing Products
- ✓ Gathering Assets
- ✓ Software Skills
- ✓ Report Writing

R094 Visual Identity Assignment



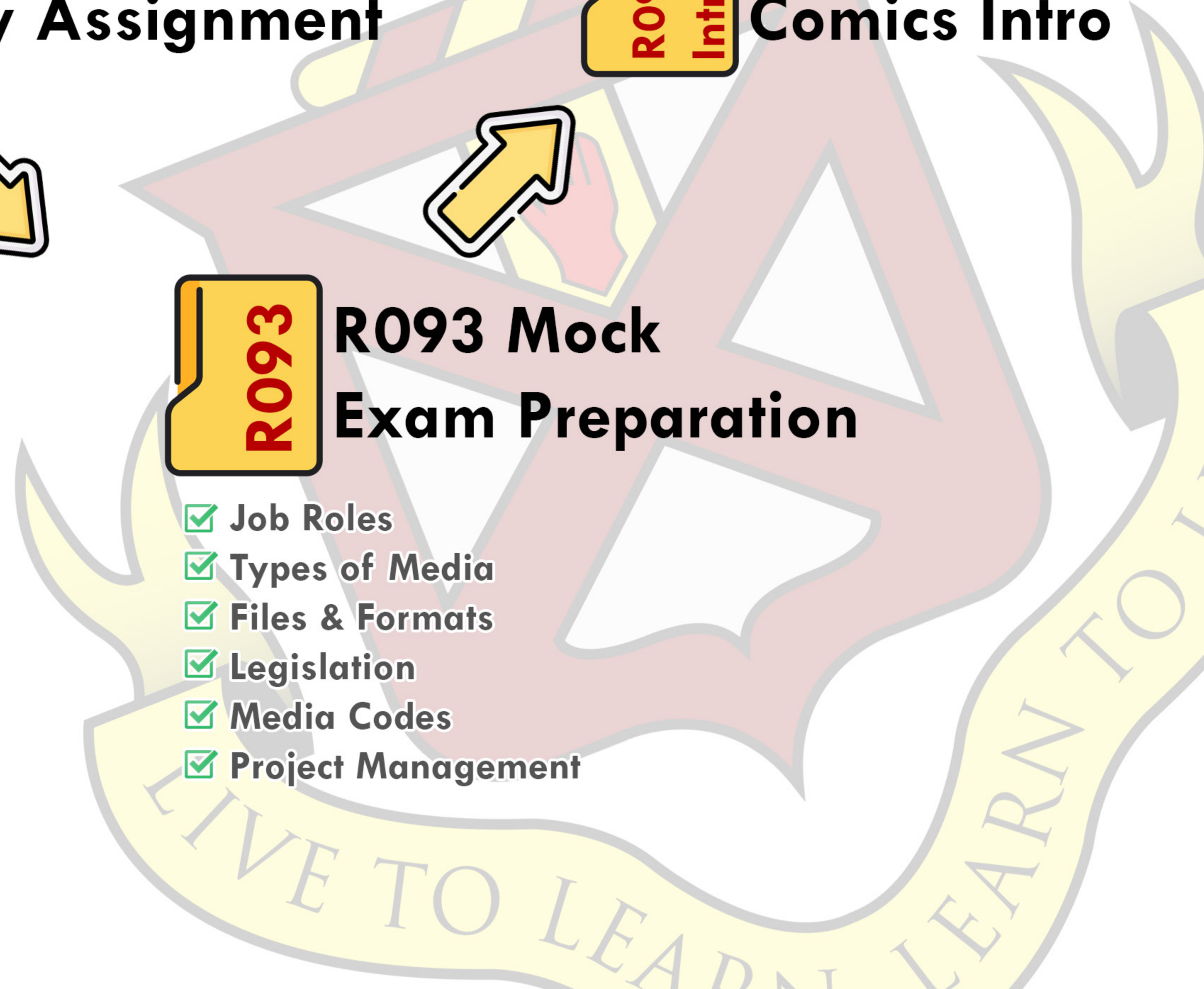
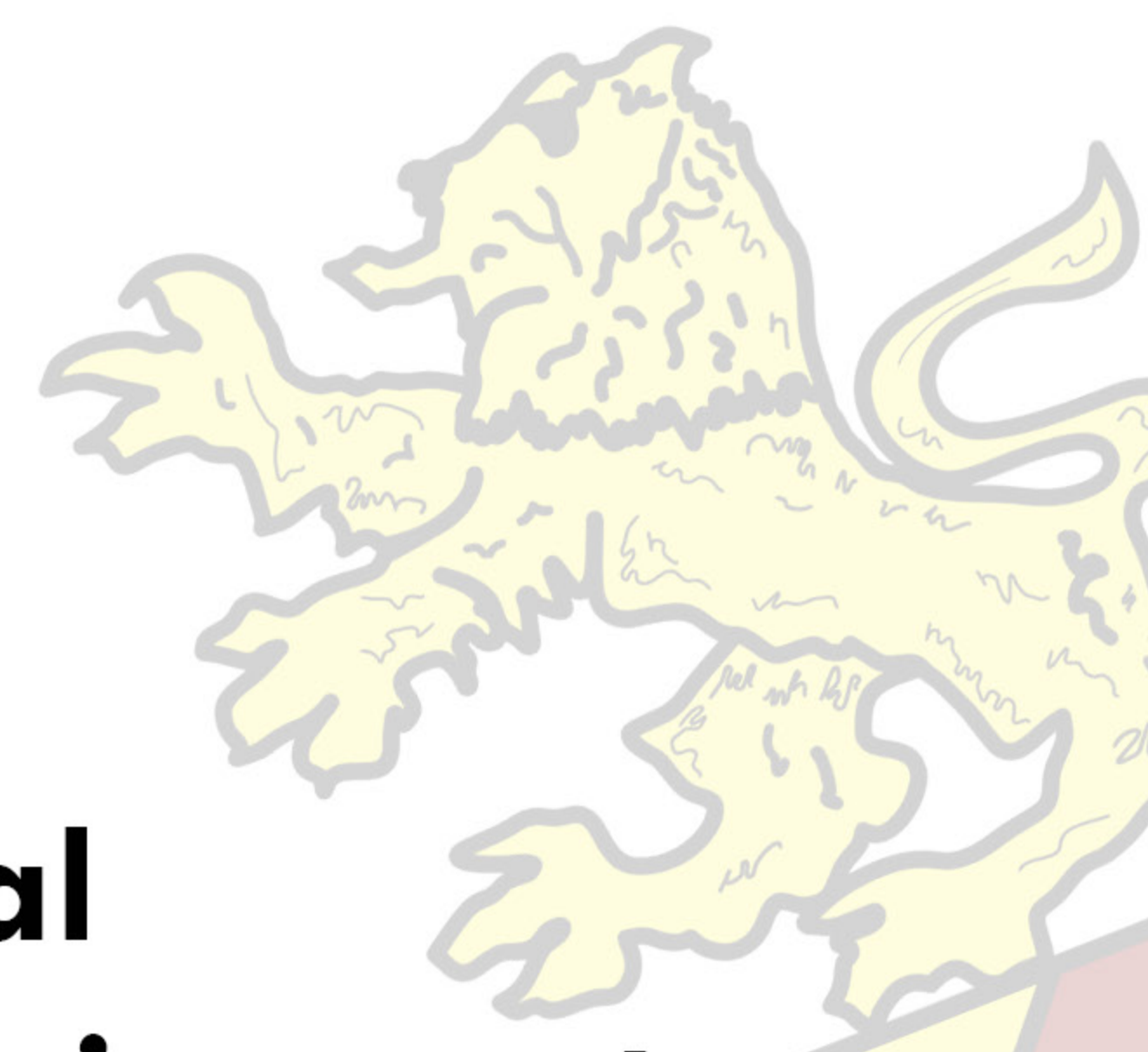
R093 Mock Exam Preparation

- ✓ Job Roles
- ✓ Types of Media
- ✓ Files & Formats
- ✓ Legislation
- ✓ Media Codes
- ✓ Project Management



- ✓ Analysing Characters
- ✓ Analysing Comics
- ✓ Story Elements
- ✓ Themes and Stereotypes
- ✓ Designing Characters
- ✓ Software Skills

R095 Characters & Comics Intro





Learning Journey: Year 10 Information Technology

- ✓ Design Tools
- ✓ Human-Computer Interaction
- ✓ Output Devices
- ✓ Computer Systems
- ✓ Types of User Interface
- ✓ User Interface Design

Intro Intro to Info Technology



R060 Practice Practice Assignment

- ✓ Interpreting a Brief
- ✓ Planning a Project
- ✓ Designing Spreadsheets
- ✓ Creating a Product
- ✓ Testing
- ✓ Responding to Feedback

- ✓ Independent Work
- ✓ Time Management
- ✓ Designing Spreadsheets
- ✓ Software Skills
- ✓ Testing
- ✓ Report Writing

R060 R060 Data Manipulation Spreadsheet Assignment



R050 R050 Mock Exam Preparation

- ✓ Digital Communication
- ✓ Computer Systems
- ✓ Cybersecurity
- ✓ Legislation
- ✓ Internet of Things
- ✓ Essay Question Planning

- ✓ Purposes of AR Technology
- ✓ AR Technology Applications
- ✓ Real-World Uses of AR
- ✓ How AR systems are made
- ✓ Hardware/Software Used

R070 Intro Augmented Reality Intro

