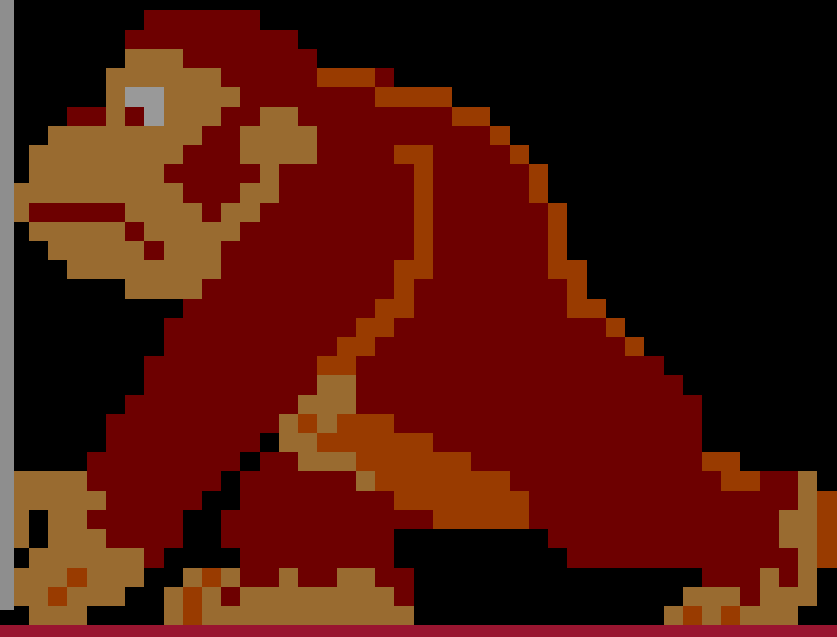
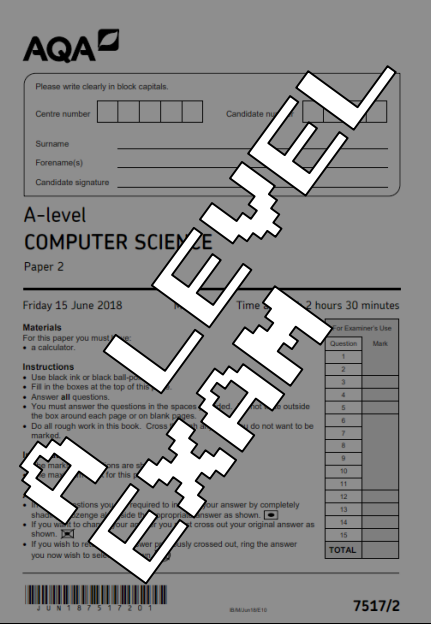
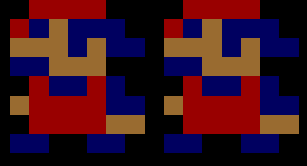




A LEVEL COMPUTER SCIENCE

LEARNING JOURNEY @RWBA



PAPER 1
(PROGRAMMING
EXAM) PRE-
RELEASE
PREPARATION

NON-EXAM
ASSESSMENT (NEA)
IMPLEMENTATION

FUNDAMENTALS OF
COMPUTER
ORGANISATION &
ARCHITECTURE

VISUAL
PROGRAMMING

FUNDAMENTALS OF
COMMUNICATION &
NETWORKING

FUNDAMENTALS OF
COMPUTER SYSTEMS

FUNDAMENTALS OF
COMPUTATIONAL THINKING

FUNDAMENTALS OF
PROGRAMMING

HARDWARE

PROCESSOR
COMPONENTS

STORED
PROGRAM
CONCEPT

INSTRUCTION
SETS

ADDRESSING
MODES

EXTERNAL
HARDWARE

NEA TESTING

MORAL,
ETHICAL,
LEGAL AND
CULTURAL
ISSUES

NEA
EVALUATION

CONSEQUENCES OF
USES OF
COMPUTING

Y13

NON-EXAM
ASSESSMENT (NEA)

FUNDAMENTALS OF
DATABASES

VISUAL
PROGRAMMING

FUNDAMENTALS OF
COMMUNICATION &
NETWORKING

FUNDAMENTALS OF
COMPUTER SYSTEMS

FUNCTIONAL
PROGRAMMING

SORTING
ALGORITHMS

REVERSE
POLISH
NOTATION

SEARCH
ALGORITHMS

DIJKSTRA'S
SHORTEST PATH

GRAPH &
TREE
TRAVERSAL

FUNDAMENTALS OF
ALGORITHMS

VECTORS

HASH TABLES
AND
DICTIONARIES

GRAPHS AND
TREES

QUEUES &
STACKS

STRUCTURES &
ABSTRACT TYPES

FUNDAMENTALS OF
DATA STRUCTURES

Y12

FUNDAMENTALS OF
COMPUTATIONAL THINKING

FUNDAMENTALS OF
PROGRAMMING

ABSTRACTION &
AUTOMATION
PROGRAMMING
BASICS

FINITE STATE
MACHINES

BASIC
OPERATIONS

TURING
MACHINES

SUBROUTINES

REGULAR &
CONTEXT-FREE
LANGUAGES

LOCAL AND
GLOBAL
VARIABLES

MATHS FOR
REGEX

STRUCTURED
PROGRAMMING
TECHNIQUES

BIG O
NOTATION

OBJECT
ORIENTED
PROGRAMMING

THERE IS NO REQUIREMENT TO HAVE STUDIED GCSE COMPUTER SCIENCE