

Structure and function of the processor

ALU

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Control Unit

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Register

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

PC

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

ACC

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

MAR

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

MDR

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

CIR

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Busses

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Data Bus

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Address Bus

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Control Bus

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Fetch-Decode-Execute

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.

DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

CPU

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Clock Speed

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Cores

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Cache

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Von Neumann Architecture

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Harvard Architecture

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Structure and function of the processor

Contemporary Architecture

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.

DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Types of processor

CISC

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Types of processor

RISC

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Multicore System

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Parallel Processor System

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Input, output and storage

Input Device

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Input, output and storage

Output Device

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Input, output and storage

Storage Device

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Input, output and storage

Magnetic Storage

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Input, output and storage

Flash Storage

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Input, output and storage

Optical Storage

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Input, output and storage

RAM

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Input, output and storage

ROM

“Read Only Memory”

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



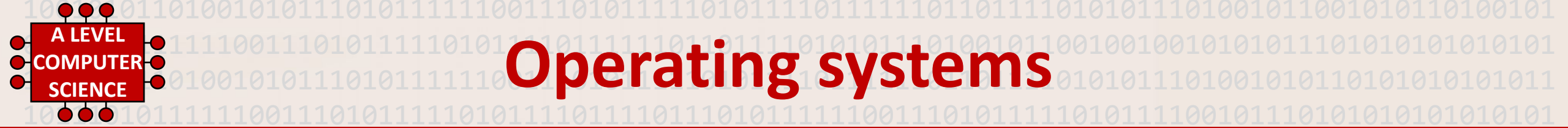
Input, output and storage

Virtual Storage

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Operating systems

Operating System

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!

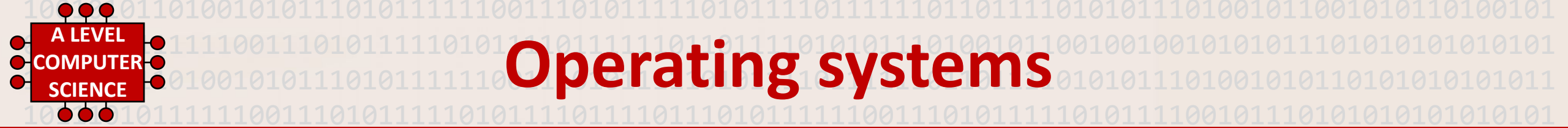


Memory Management

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



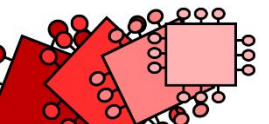


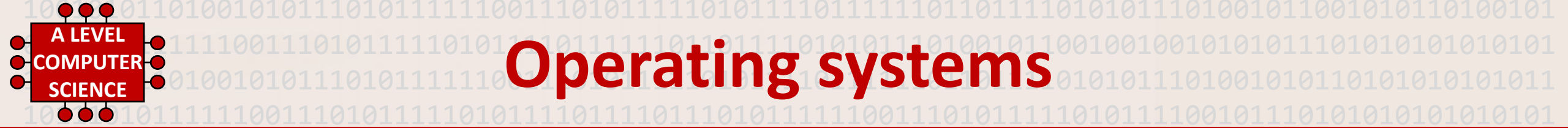
Operating systems

Paging

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





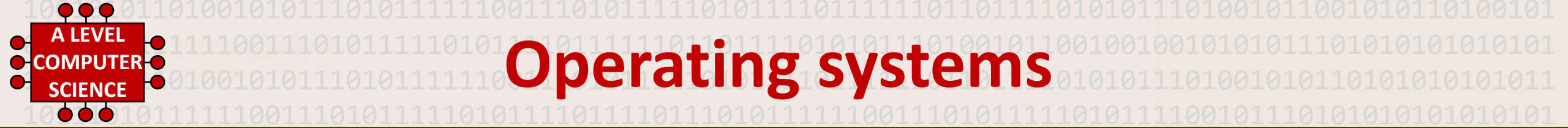
Operating systems

Segmentation

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





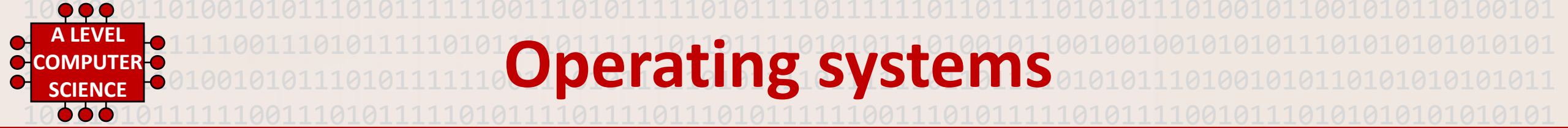
Operating systems

Virtual Memory

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





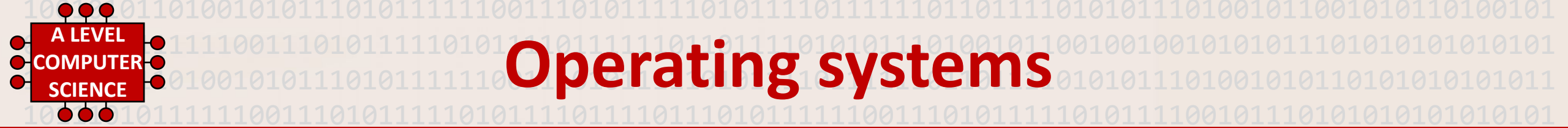
Operating systems

Interrupt

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



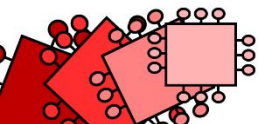


Operating systems

ISR

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Operating systems

Scheduling

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Operating systems

RR

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Operating systems

FCFS

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



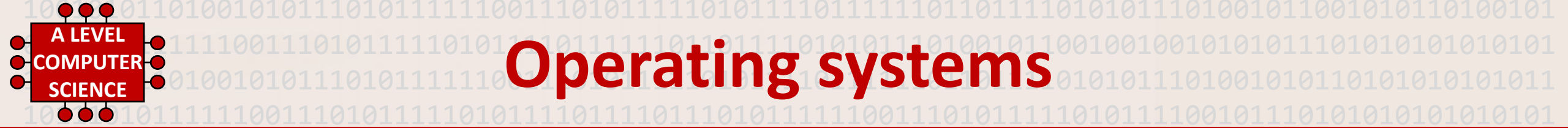
Operating systems

MLFQ

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



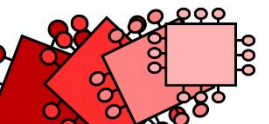


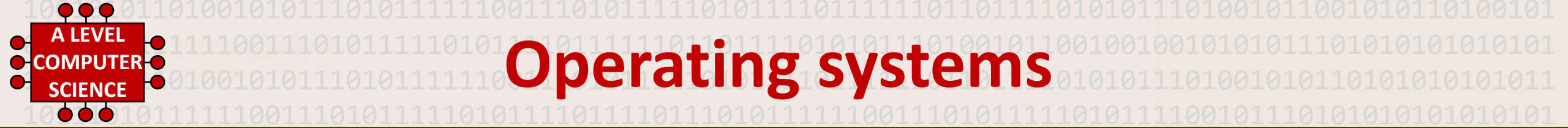
Operating systems

SJF

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



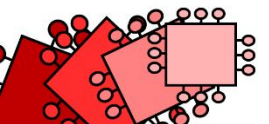


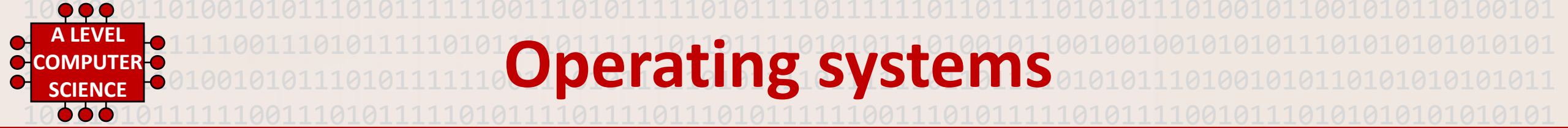
Operating systems

SRT

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





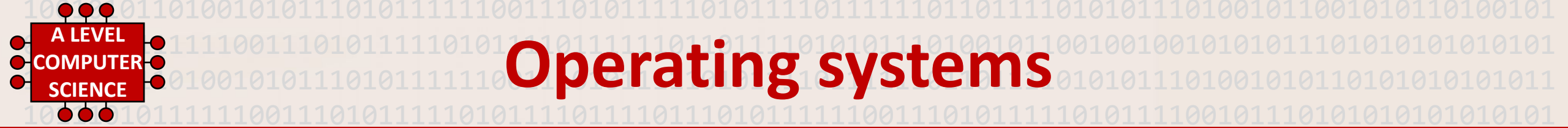
Operating systems

Distributed OS

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Operating systems

Embedded OS

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



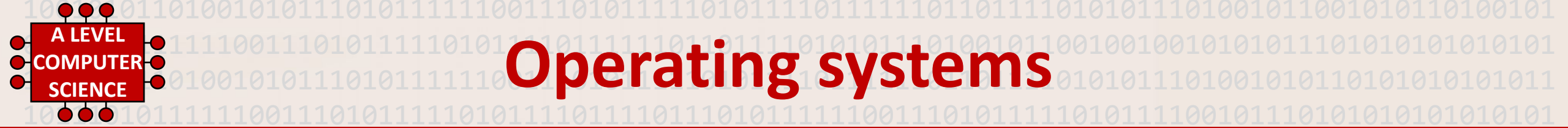
Operating systems

Multi-tasking OS

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



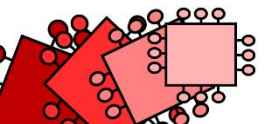


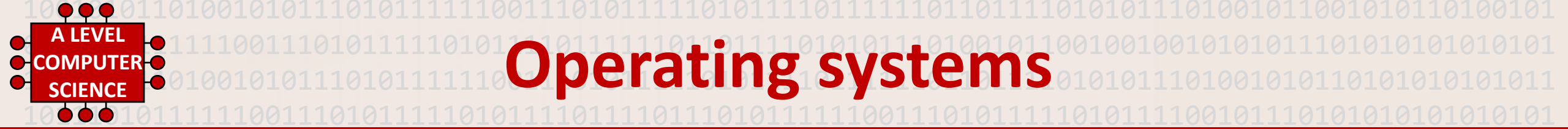
Operating systems

Multi-user OS

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Operating systems

Real Time OS

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



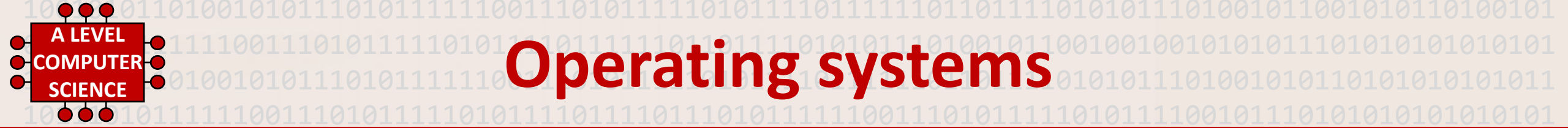
Operating systems

BIOS

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



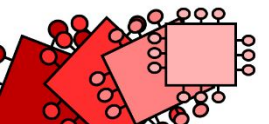


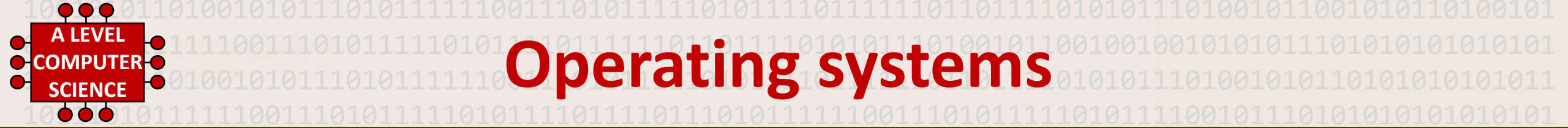
Operating systems

Device Drivers

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



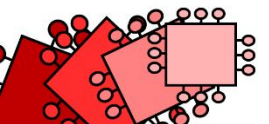


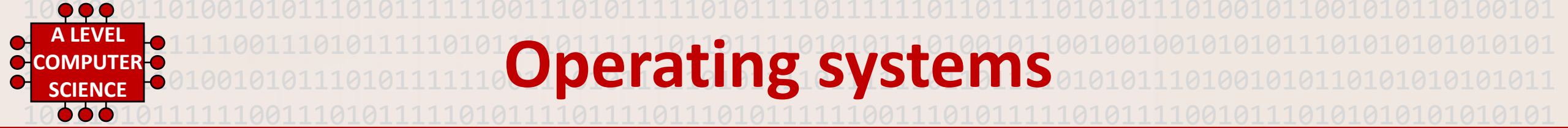
Operating systems

Virtual Machine

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



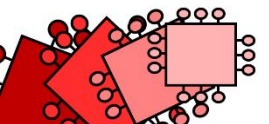


Operating systems

Intermediate Code

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Application generation

Application

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Utilities

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Application generation

Open Source

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Closed Source

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



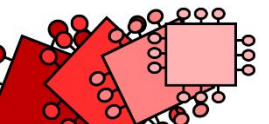


Application generation

Source Code

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



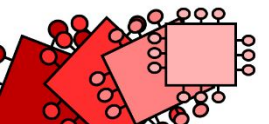


Application generation

Translator

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Application generation

Interpreter

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Application generation

Compiler

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



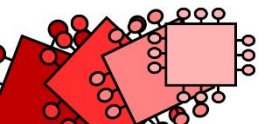


Application generation

Assembler

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Programming techniques

Sequence

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Programming techniques

Iteration

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!



Branching / Selection

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!





Programming techniques

Recursion

“<Fill in your definition here.>”

Note: It is essential you write this in YOUR OWN WORDS.
DO NOT simply copy and paste from a book or Wikipedia, you will learn nothing!

