Summative Outline:

* Day 1: Multiple Choice
* Day 2: Short Answer
* Day 3: Programming Task

Multiple Choice Topics:

* Data Types
  + Variables (literals)
  + Strings
  + Integers
  + Floats
  + Booleans
  + Type() function
  + Round() function
* Assignment Operator “=”
  + “=” vs “==”
  + “+=”
  + “-=”
  + Undefined variables
* Arithmetic Operators
  + +, -, \*, /, %
* String Operators
  + +, \*, []
* Comparison Operators
  + ==, !=, >, <, =>, <=
* Boolean Operators
  + ==, not, and, or
* Python Lists
  + List initialization
  + List indexing
  + [] operator
* For loops
  + Loop range
  + Loop index variable
  + Nested Loops
* If control statements
  + If, If … Else … structures
  + Nested If structures
* Console input / output
  + Print(), println()
  + Input() for Strings
  + Input() for Numbers

Multiple Choice Topics (Cont’d):

* Turtle Drawing Commands
  + Controlling the “turtle”
  + Drawing shapes
  + Controlling colours
  + Filling shapes
* Error Types
  + Syntax errors
  + Run-time errors
  + Logic errors
* Python Comments
  + In-Line comments – #
  + Multi-Line Block Comments – “””
* Computer Hardware – Tower Case
  + Main components identify & list
  + How components have changed since 1990s
* Computer Hardware – Motherboard
  + Main components identify & list
  + How components have changed since 1990s
* Computer Hardware – External Components
  + Main components identify & list
  + How components have changed since 1990s
* Case Studies

Short Answer Topics:

Programming Topics: