



General Certificate of Secondary Education
2025

Digital Technology

Controlled Assessment Tasks

Unit 5: Digital Development Practice

[GDG51]

VALID FROM 1 MAY 2024

Research for all tasks can be completed under **limited** supervision.

All other elements of the tasks must be completed under **informal** supervision (medium level of control).

You have a total of **36 hours** to complete the tasks:

The total mark for this Unit 5 Controlled Assessment Task is **60**.

Candidates' work to be submitted **May 2025**

Controlled Assessment Tasks must comply with the Regulations as detailed in the Subject Specification.

NB: Some Controlled Assessment Tasks instructions may constitute more than 1 page.

Please check you have all the information you need to complete the task if printing from a computer.

Option B – Digital Development Practice:

Scenario: Lakeside Activity Centre

Bayside High School is planning a trip to “Lakeside Activity Centre”, Barcelona next March. The trip will be open to all pupils, from Year 11 to Year 14. The trip is being organised by Mrs Johnston.

Unit 5 Task

Before pupils embark on the trip, they will be split into three groups: non-swimmers, swimmers and advanced swimmers. Mrs Johnston wants a way to decide which group to assign each pupil to. This will be based on data gathered during swimming assessments at the pool, from a number of quiz questions to assess pupils’ awareness of water safety and from a reaction test to assess pupils’ response times.

The school wants an efficient method to collect data from each pupil after an assessment event at the local swimming pool. A program needs to be produced to record the number of lengths a pupil can swim. They will be given two attempts, and the average number of lengths swam by each pupil should be calculated.

The computer program should include:

- A staff **logon screen**.
- A facility to **record** the pupil name, year group and gender.
- A facility to **enter** the number of lengths each pupil swam in each of their two attempts.
- A **display** of the average number of lengths.
- A **quiz** containing five questions to measure the pupils’ awareness of water safety.
- A **reaction test** to assess a pupil’s response time.
- An **output** of pupils’ scores showing their average lengths, quiz score and reaction test time.
- A **list** of pupils in each group which should be sorted.
- One further **report** to be decided by the candidate.

All documentation should be saved as one PDF and a working solution submitted.