

DOYRMS Assessment Record GCSE Computer Science

FOR AS/A LEVEls and GCSES for summer 2021

# Assessment Record for determining teacher assessed grades in Summer 2021

## Background

Every centre must produce an Assessment Record for each subject cohort, that includes the sources of the assessment evidence being used and the rationale for the choice of evidence, the level of control for assessments considered, and any other evidence that explains the determination of the final teacher assessed grades. Any necessary variations for individual students must also be recorded.

Your Assessment Records must take account of the guidance provided in the document: *JCQ Guidance on the determination of grades for A/AS Levels and GCSEs for summer 2021*

# Assessment Record for determining teacher assessed grades in Summer 2021

# The Duke of York’s Royal Military School

# Computer Science

# GCSE Computer Science

**Assessment Evidence Form**

**[To be completed by the Head of Department for each subject, for each level (e.g. GCSE Maths, AS Maths and A Level Maths would require separate grids)]**

Please detail the assessments used for the subject cohort (i.e. assessment resource, mock examination, controlled assessment, prep, classwork etc.). The Assessment Evidence Form should include the sources of the assessment evidence being used and the rationale for the choice of evidence, the level of control under which assessments were completed (i.e. exam-type conditions would provide a high degree of control), and any other evidence that explains the determination of the final teacher assessed grades.

*Note: Ideally, the evidence used will be consistent across the class or cohort but that may not always be the case if a student has missed some teaching, or one or more assessments, for valid reasons. Any necessary variations for individual students should be recorded using the additional form below.*

Indicate which assessment objectives were covered in each piece of assessment evidence (Y/N), and whether the assessment was conducted with a High (H), Medium (M) or Limited (L) level of control.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| GCSE Computer Science | Type of Assessment | AO Coverage | Content | Level of Control H, M, L  |
|  |  |  |  |  |
| Assessment 1: Assessment resource 1 – provided by Eduqas. *Mock examination taken on 30th April 2021* | *Class test* | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Organisation and structure of data | Representation of graphics and sound |
| Hardware | Architecture |
| Hardware Organisation and structure of data | Embedded systems Representation of numbers |
| Communication | Networks |

 | *H* |
| Assessment 2: Assessment resource 2 – provided by Eduqas. *Mock examination taken on 22nd April 2021* | *Class test* | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Principles of programming Program construction | Levels of computer language; Compilers, interpreters and assemblers |
| Program construction | Compilers, interpreters and assemblers |
| Organisation and structure of data | Data structures; Data validation and verification |
| Organisation and structure of data | Representation of numbers |
| Logical operations | Boolean logic; Logical operators |
| Security and data management | Cybersecurity |

 | H |
| Assessment 3: Assessment resource 3 – provided by Eduqas. *Mock examination taken on*  | *Class test* | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Hardware | Storage requirements |
| Hardware | Primary storage |
| Logical operations | Logical operators |
| Hardware | Secondary storage |
| Communication; Ethical, legal and environmental impacts of digital technology on wider society | Networks; Ethical |
| Communication | Networks |
| Organisation and structure of data | Representation of numbers |

 | H |
| Assessment 4: Assessment resource 4 – provided by Eduqas. *Mock examination taken on*  | *Class test* | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Organisation and structure of data | Storage of characters |
| Logical operations | Boolean logic  |
| Organisation and structure of data | Representation of graphics and sound |
| Organisation and structure of data | Data structures  |
| Software Engineering | Software tools |
| Program construction | Compilers, interpreters and assemblers |
| Ethical, legal and environmental impacts of digital technology on wider society | Environmental issues |
| Operating systems | Providing an interface |

 | H |
| Assessment 5: Assessment resource 7 – provided by Eduqas. *Mock examination taken on 23rd April 2021* | *Class test*  | AO2/AO3 | Component 2:

|  |  |
| --- | --- |
| Programming languages | Markup languages |
| Programming languages | Assembly language |
| Algorithms and programming constructs | Testing and evaluation |
| Algorithms and programming constructs | Programming constructs |
| Algorithms and programming constructs | Programming constructs |
| Algorithms and programming constructs | Testing and evaluation |

 | H |
| Assessment 6: Assessment resource 8 – provided by Eduqas. *Mock examination taken on 27th April 2021* | *Class test* | AO3 | Component 2:

|  |  |
| --- | --- |
| Programming languages | Markup languages |
| Programming languages | Object oriented languages |

 | H |
| Assessment 7: Assessment resource 9 – provided by Eduqas. *Mock examination taken on 6th May 2021* | *Class test* | AO2/AO3 | Component 2:

|  |  |
| --- | --- |
| Programming languages | Markup languages |
| Programming languages | Assembly language |
| Algorithms and programming constructs | Programming constructs |
| Algorithms and programming constructs | Programming constructs |
| Algorithms and programming constructs | Programming constructs |
| Programming languages | Object oriented languages |

 | H |
| Assessment 8: Assessment resource 10 – provided by Eduqas. *Mock examination taken on 4th May 2021* | *Class test* | AO3 | Component 2:

|  |  |
| --- | --- |
| Programming languages | Markup languages |
| Programming languages | Object oriented languages |

 | H |
| Assessment 9:Mock examination taken on 11th March 2021. | Class test taken during a scheduled lesson in distance learning over Teams. Test delivered using Moodle. | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Hardware | Storage requirements |
| Hardware | Primary storage |
| Communication | Networks |
| Organisation and structure of data | Representation of numbers |
| Organisation and structure of data | Data structures  |
| Logical operations | Boolean logic |

 | L |
| Assessment 10:Mock examination taken on 12th March 2021. | Class test taken during a scheduled lesson in distance learning over Teams. Test delivered using Moodle. | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Security and data management | Compression |
| Structure of data | Representing numbers |
| Program construction | Compilers, interpreters and assemblers |
| Security and data management | Cybersecurity |
| Ethical, legal and environmental impacts of digital technology on wider society | Environmental issues |

 | L |
| Assessment 11:Mock examination taken on 19th March 2021. | Class test taken during a scheduled lesson in distance learning over Teams. Test delivered using Moodle. | AO2/AO3 | Component 2:

|  |  |
| --- | --- |
| Programming languages | Markup languages |
| Programming languages | Object oriented languages |

 | L |
| Assessment 12:Year 11 Term 2A part 1 Theory exam taken on 28thJanuary 2021. | Class test taken during a scheduled lesson in distance learning over Teams. Test delivered using Moodle. | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Organisation and structure of data | Representation of numbers |
| Hardware | Primary storage |
| Hardware | Secondary storage |
| Logical operations | Boolean logic; Logical operators |
| Communication | Networks |
| Security and data management | Network Security |
| Organisation and structure of data | Representation of numbers |
| Organisation and structure of data | Storage of Characters |

 | L |
| Assessment 13:Year 11 Term 2A Part 2 theory exam taken on 29th January 2021. | Class test taken during a scheduled lesson in distance learning over Teams. Test delivered using Moodle. | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Organisation and structure of data | Operating systems |
| Logical Operations | Boolean Logic |
| Organisation and structure of data | Representation of graphics and sound |
| Security and data management | Compression |
| Organisation and structure of data | Data Structures |
| Software Engineerring | Software Tools |
| Program Construction | Compilers, interpreters, and assemblers |
| Operating Systems | Managing resource |
| Operating Systems | Providing an interface |
| Ethical, legal and environmental impacts of digital technology on wider society | Environmental issues |

 | L |
| Assessment 14:Year 11 Term 2A practical exam taken on 26th January. | Set to complete as homework and submitted electronically. | AO2/AO3 | Component 2:

|  |  |
| --- | --- |
| Programming languages | Markup languages |
| Programming languages | Assembly language |
| Algorithms and programming constructs | Programming constructs |
| Programming languages | Object oriented languages |

 | L |
| Assessment 15:Year 11 Term 1B theory exam taken on 24th November 2020. | Class test taken during a scheduled lesson in distance learning over Teams. Completed as prep. | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Organisation and structure of data | Representation of graphics and sound, Representation of numbers, storage of characters, Data Structures |
| Security and Data Management | Compression |
| Hardware | Architecture, embedded systems |
| Operating systems | Utility software, managing resources |
| Logical Operations | Logical Operators, Boolean Logic |
| Program Construction | Describe and give examples of programming errors, Compiliers, interpreters, and editors |
| Security and authentication | Security techniques |
| Ethical, legal and environmental impacts of digital technology on wider society | Environmental Issues, Legislation |

 | L |
| Assessment 16:Year 11 term 1B practical exam taken on 27th November 2020. | Class test taken during a scheduled lesson in distance learning over Teams. Completed as prep. | AO2/AO3 | Component 2:

|  |  |
| --- | --- |
| Programming languages | Markup languages |
| Programming languages | Assembly language |
| Algorithms and programming constructs | Programming constructs |
| Programming languages | Object oriented languages |

 | L |
| Assessment 17:Year 11 Term 1A theory exam taken on Friday 6th and 7th October 2020. | Class test | AO1/AO2 | Component 1:

|  |  |
| --- | --- |
| Hardware | Architecture, additional hardware components, primary storage, secondary storage, storage requirements, embedded systems |
| Operating systems | Managing resources |
| Organisation and structure of data | Representation of numbers, storage of characters, representation of graphics and sound, data structures, data validation and verification |
| Logical operations | Logical operators, boolean logic |
| Algorithms and programming constructs | Variables, algorithms |
| Program construction | Describe and give examples of programming errors |

 | H |
| Assessment 18:Year 11 term 1A practical exam taken on Friday 9th October 2020. | Class test | AO2/AO3 | Component 2:

|  |  |
| --- | --- |
| Programming languages | Markup languages |
| Algorithms and programming constructs | Programming constructs |
| Programming languages | Object oriented languages |

 | H |

**Subject Title: Computer Science**  **Subject Code C500**

**Subject teacher/s: Mr M.P. Sharrad Signature/s: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Head of Department: Mr M.P. Sharrad Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**SLT Line Manager: Mr J. Marsh Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Variations for Individual Students**

**[To be completed by the Head of Department for each student where a variation from the Assessment Evidence Grid has been required, or where Access Arrangements or Special Consideration have been taken into account.]**

Candidate name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Candidate Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Centre name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Centre Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| GCE A2 | GCE AS | GCSE | ELQ | OS | OLA | Other |

Circle Level:

Subject title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Subject Code: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |
| --- | --- |
| **Section 1: COVID Related Disruption – Learner Context** | **Y/N/NA** |
| Did the candidate face additional disruption to their teaching and learning as a result of COVID 19, in comparison to their class peers?  |  |
| Was there any other specific disadvantage considered for this candidate when compared with other candidates in the year group? |  |
| **If ‘yes’ please provide details of how the disadvantage has been considered** (including *the sources of the assessment evidence being used and the rationale for the choice of evidence, the level of control for assessments considered, and any other evidence that explains the determination of the final teacher assessed grades.*) |

**Contd.**

|  |  |
| --- | --- |
| **Section 2: Access Arrangements/Reasonable Adjustments** | **Y/N/NA** |
| Is the candidate entitled to Access Arrangements/Reasonable Adjustments?  |  |
| Were the approved access arrangements/reasonable adjustments in place for assessments which were used to determine the candidate’s grade? |  |
| **If ‘no’ please provide details of how the lack of access arrangements/reasonable adjustments have been taken into account when determining the grade:** |

|  |  |
| --- | --- |
| **Section 3: Mitigating circumstances (Special Consideration)** | **Y/N/NA** |
| Has the candidate made a request for mitigating circumstances to be considered, e.g. illness or other personal circumstances?  |  |
| Record any actions that have been taken as a result of this request, e.g. making an adjustment in determining the grade or using alternative evidence. |  |
| **Reason for mitigating circumstances:** |