Burchett Academy

Bryn Beddow

Year Group 13 | H
Creation date: 30.05.2025

pupil progress

Attendance from 02/09/2024 to 24/05/2025	**98%**	**Total Behaviour Points**	**10**
Total Achievements Points	**85**	**Total Conduct Points**	**75**

Subject	Teacher	Minimum Target Grade	Average Unit Grade
AS / A-Level in Computer Science *A-Level - OCR*	Prof Duraku	**B**	**B**
AS / A-Level in Mathematics *A-Level - Edexcel*	Prof Davis	**A**	**A***
AS / A-Level in Politics *AQA - A-Level*	Mr Leahu	**B**	**B**
L3 OCR Cambridge Technical in Business *Extended Certificate*	Mr Atkins	**Distinction**	**Merit**

Burchett Academy

L3 OCR Cambridge Technical in Business | Extended Certificate

Year Group 13 | Class 13A/Bs1

Bryn Beddow

30.05.2025
Mr Atkins

pupil progress

Live Tracking

Minimum Target Grade	Scaled Average Unit Points / 108	Average Unit Grade
Distinction	98	Merit

Unit	1: |M| The Business Environment (120 GLH)	2: |M| Working in business (60 GLH)	4: |M| Customers and communication (60 GLH)	3: Business decisions (60 GLH)	5: Marketing and Market Research (60 GLH)
Grade	Merit	Distinction	Distinction	Merit	Pass

1: |M| The Business Environment (120 GLH)	Total Marks	Grade
January Actual Exam Points / 36	32	
June Actual Exam Points / 36	28	
1: Best Exam Points / 36	**32**	
1: Best Exam Grade	**Merit**	

2: |M| Working in business (60 GLH)	Total Marks	Grade
January Actual Exam Points / 18	16	
June Actual Exam Points / 18	18	
2: Best Exam Points / 18	**18**	
2: Best Exam Grade	**Distinction**	

4: |M| Customers and communication (60 GLH)				
LO1		P1✓	M1✓	D1✓
		P2✓		
		P3✓		
LO2		P4✓	M2✓	D2✓
		P5✓		
LO3		P6✓	M3✓	
		P7✓		
LO4		P8✓	M4✓	
		P9✓		
LO5		P10✓		
Distinction				18

3: Business decisions (60 GLH)	Total Marks	Grade
January Actual Exam Points / 18	16	
June Actual Exam Points / 18	12	
3: Best Exam Points / 18	**16**	
3: Best Exam Grade	**Merit**	

5: Marketing and Market Research (60 GLH)				
LO1		P1✓	M1✗	D1S
		P2✓		
		P3✓		
LO2		P4✓	M2✓	D2Z
LO3		P5✓	M3 |	
		P6✓		
LO4		P7✓		
		P8✓		
Pass				14

Burchett Academy

AS / A-Level in Computer Science | A-Level - OCR

Year Group 13 | Class 13A/Cs1

Bryn Beddow

30.05.2025
Prof Duraku

pupil progress

Live Tracking

Minimum Target Grade	Scaled Average Unit Marks / 350	Average Unit Grade
B	247	B

Unit	1: Computer Systems (40%)	2: Algorithms & Programming (40%)	3: Project (20%)
Grade	A	B	B

Topic summary	%
AO1.1 Demonstrate knowledge	**60**
AO1.2 Demonstrate understanding	**60**
AO1 - Knowledge and understanding / %	60
AO2.1 Apply knowledge and understanding	**80**
AO2.2 Analyse problems in computational terms	**65**
AO2 - Application / %	65
AO3.1 Design computer systems	**65**
AO3.2 Program computer systems	**70**
AO3.3 Evaluate computer systems	**65**
AO3 - Design, program and evaluate computer systems / %	70
1.1: The characteristics of contemporary processors, input, output & storage devices	**87**
1.2: Software & software development	**69**
1.3: Exchanging data	**63**
1.4: Data types, data structures & algorithms	**64**
1.5: Legal, moral, cultural & ethical issues	**81**
1: Computer Systems / %	69
2.1: Elements of computational thinking	**90**
2.2: Problem solving & programming	**77**
2.3: Algorithms	**60**
2: Algorithms & programming / %	73

1: Computer Systems (40%)	Total Marks	Grade
Question Level Analysis		
1a (i): Give one benefit of using a spreadsheet application for this task compared to calculating wages manually. / 1	1	
1a (ii): Give two other types of application packages that the small business could use and give an example for each. / 4	4	
1a (iii): Describe a drawback of using closed source software (rather than open source software) for the small business. / 3	2	
1b: Tick one box in each row to identify whether each statement in the table is true or false / 3	3	
1c: Explain why virtual storage is well-suited for storing backups. / 2	2	
1d (i): Give three advantages to the business of connecting computers together in a LAN. / 3	2	
1d (ii): Explain what is meant by a network protocol. / 2	0	
1d (iii): Give the names of two protocols that may be used in a LAN. / 2	2	
1d (iv): Explain why protocol layering is used. / 3	1	
1e (i): State the type of operating system that should be used by this computer. / 1	1	
1e (ii): Give the name of three other types of operating system, and for each state its purpose. / 6	3	
1f: Explain how an operating system deals with an interrupt. / 3	0	
1g: Explain how an operating system can manage the memory available to applications and why doing so is important. / 9	7	
2a: Complete the pseudocode here to implement Sundip's algorithm. / 5	3	
2b (i): Complete the diagram to show the state of the stack after each value is entered into the algorithm. / 3	3	
2b (ii): Complete the following table to give the output from this algorithm when the following set of inputs are entered by the user. / 3	1	
2b (iii): Explain what problem this input data will cause and why the problem occurs. / 3	0	
2c (i): Describe one difference between a stack and a queue. / 2	2	
2c (ii): Describe one difference between an array and a list. / 2	2	
2c (iii):) State how a tuple is different to a list / 1	1	
2c (iv): Describe how the second item in a linked list would be accessed using pointer values. / 3	3	
3a (i): Convert the denary number 189 to hexadecimal. / 1	1	
3a (ii): Convert the unsigned binary number 1010101111 to hexadecimal. / 1	0	
3b (i): Convert the denary number -107 to an 8-bit binary number using sign and magnitude. / 1	0	
3b (ii): Convert the denary number -107 to an 8-bit binary number using two's complement. / 1	1	
3b (iii): Give one advantage of storing values using two's complement instead of sign and magnitude. / 1	1	
3c: Show how the denary value -15.75 can be represented as a normalised floating point binary number using 8 bits for the mantissa and 4 bits for the exponent. / 4	3	
Average Total Marks / 140 *Year Group Average Total Marks*	**96** *118.0*	
Current Unit Grade	**A**	

3d: The normalised floating point binary number 0100 1110 is stored using 4 bits for the mantissa and 4 bits for the exponent. Convert this number to denary. / 3	3	
3e: Complete each of the following sentences relating to the storage of floating point binary numbers with an appropriate word. / 2	1	
4a: Describe two differences between assembly language and high-level languages. / 4	2	
4b (i): Give one reason why this assumption can sometimes be true. / 1	1	
4b (ii): Explain why this assumption is not always true. / 2	2	
4c: Compare the robot's use of encryption and hashing for storing and communicating data / 9	7	
4d (i): Complete this HTML code that will display the webpage shown in Fig. 4. / 5	3	
4d (ii): Write CSS code that could be used in an external stylesheet to format all text using the <h1> tag as white with a red background. / 3	2	
4e (i): State the name of one relevant piece of legislation and describe how this would protect these images. / 3	3	
4e (ii): Give two ways that they could make sure these images are used legally. / 2	2	
4f (i): Write an SQL statement to delete all records from the table TblAccessLog for users who have a UserType of "NotNeeded". / 2	0	
4f (ii): State two requirements for a database to be in First Normal Form (1NF). / 2	2	
4f (iii): Explain why the structure of TblAccessLog means that this database is not in First Normal Form (1NF). / 2	2	
5a: State the value returned from the function when doCheck(3178) is called. / 1	1	
5b: You should write your algorithm using either pseudocode or program code. / 5	3	
6a (i): Give the Boolean expression that represents the logic circuit shown in Fig. 6 / 2	2	
6a (ii): Complete the truth table for the logic circuit shown in Fig. 6. / 3	0	
6b: Use this Karnaugh map to find the simplified expression for this circuit / 4	2	
7: Evaluate the purpose and use of the Act. / 12	9	
June 2023 Mock Exam / 140	96	A
Average Total Marks / 140 *Year Group Average Total Marks*	**96** *118.0*	
Current Unit Grade	**A**	

2: Algorithms & Programming (40%)	Total Marks	Grade
June 2023 Mock Exam / 140	104	B
Average Total Marks / 140 *Year Group Average Total Marks*	**104** *122.0*	
Current Unit Grade	**B**	

3: Project (20%)	Total Marks	Grade
Data Types and Exchanging Data / 10	6	
Programming and Algorithms / 10	5	
Ethical Issues / 10	8	
Software Development / 10	8	
Raw Total Marks / 40	27	
End of Topic Test / 70	47	B
Average Total Marks / 70 *Year Group Average Total Marks*	**47** *47.0*	
Current Unit Grade	**B**	

Burchett Academy

AS / A-Level in Mathematics | A-Level - Edexcel

Year Group 13 | Class 13A/Ma1

Bryn Beddow

30.05.2025
Prof Davis

pupil progress

Live Tracking

Minimum Target Grade	Scaled Average Unit Marks / 300	Average Unit Grade
A	244	A*

Unit	1: Pure mathematics (33%)	2: Pure mathematics (33%)	3: Statistics & Mechanics (33%)
Grade	A	A	A*

Topic Summary	%
1 - Proof	78
2 - Algebra & functions	75
3 - Coordinate geometry in the (x, y) plane	85
4 - Sequences & series	100
5 - Trigonometry	63
6 - Exponentials & logarithms	70
7 - Differentiation	78
8 - Integration	76
9 - Numerical methods	92
10 - Vectors	67
Pure Mathematics / %	**77**
1 - Statistical sampling	
2 - Data presentation & interpretation	100
3 - Probability	100
4 - Statistical distributions	77
5 - Statistical hypothesis testing	100
Statistics / %	**94**
6 - Quantities & units in mechanics	100
7 - Kinematics	86
8 - Forces & Newton's laws	96
9 - Moments	
Mechanics / %	**92**

Topic Summary	%
Areas of Strength	
7.6: Constructing simple differential equations in pure mathematics and in context	72
8.1: Fundamental Theorem of Calculus	72
8.2: Integrating x^n and related sums, differences and constant multiples	72
8.3: Evaluating definite integrals	72
8.4: Integration as the limit of a sum	72
Progress Opportunities	
7.1: Derivative of f(x)	60
7.2: Differentiating x^n	60
7.3: Applying differentiation to find gradients, tangents and normals	60
7.4: Using the product rule, the quotient rule and the chain rule	60
7.5: Differentiating simple functions and relations	60

1: Pure mathematics (33%)	Total Marks	Grade
Question Level Analysis		
1: Integration / 4	4	
2a: Algebra & functions / 2	2	
2b: Algebra & functions / 4	3	
3a: Vectors / 1	1	
3b: Vectors / 2	1	
4a: Trigonometry / 3	2	
4b: Trigonometry | Differentiation / 2	2	
5a: Numerical methods / 3	3	
5b: Numerical methods / 3	2	
6a: Exponentials & logarithms / 1	0	
6b: Exponentials & logarithms / 2	2	
6c: Exponentials & logarithms / 3	1	
7a: Algebra & functions / 1	1	
7b: Algebra & functions / 3	3	
7c: Algebra & functions / 2	2	
7d: Algebra & functions / 2	2	
8a: Coordinate geometry in the (x, y) plane / 2	2	
8b: Coordinate geometry in the (x, y) plane / 2	2	
8c: Coordinate geometry in the (x, y) plane / 6	4	
9a: Sequences & series / 2	2	
9b: Sequences & series / 5	5	
10a: Algebra & functions | Coordinate geometry in the (x, y) plane / 3	3	
10b: Algebra & functions / 6	4	
11a: Exponentials & logarithms / 2	1	
11b: Exponentials & logarithms / 3	3	
11c: Exponentials & logarithms / 2	2	
12: Proof | Differentiation / 5	5	
13a: Exponentials & logarithms / 3	2	
13b: Exponentials & logarithms / 1	1	
13c: Trigonometry / 2	1	
13d: Trigonometry / 1	0	
14: Proof / 4	2	
15a: Algebra & functions | Exponentials & logarithms / 5	1	
15b: Algebra & functions | Exponentials & logarithms / 2	2	
15c: Algebra & functions | Exponentials & logarithms | Numerical methods / 1	1	
15d: Algebra & functions | Exponentials & logarithms | Numerical methods / 3	3	
15e: Algebra & functions | Exponentials & logarithms | Numerical methods / 2	2	
June 2023 Mock Exam / 100	79	A
Average Total Marks / 100 *Year Group Average Total Marks*	**79** *79.0*	
Current Unit Grade	**A**	

2: Pure mathematics (33%)	Total Marks	Grade
Question Level Analysis		
Q1: Quadratic Differentiation / 10	6	
Q2: Differential Equations / 15	12	
Q3: Integrals of Exponentials / 10	7	
Q4: Area under a function / 15	11	
Raw Total Marks / 50	36	
Calculus Mock / 100	72	A
Average Total Marks / 100 *Year Group Average Total Marks*	**72** *72.0*	
Current Unit Grade	**A**	

3: Statistics & Mechanics (33%)	Total Marks	Grade
June 2023 Mock Exam / 100	93	A*
Average Total Marks / 100 *Year Group Average Total Marks*	**93** *93.0*	
Current Unit Grade	**A***	

Burchett Academy

AS / A-Level in Politics | AQA - A-Level

Year Group 13 | Class 13A/Po1

Bryn Beddow

30.05.2025
Mr Leahu

pupil progress

Live Tracking

Minimum Target Grade	Scaled Average Unit Marks / 231	Average Unit Grade
B	130	B

Unit	Paper 1 (33.3%)	Paper 2 (33.3%)	Paper 3 (33.3%)
Grade	B	A	D

Topic summary	%
AO1: Knowledge and understanding / %	**68**
AO2: Analyse aspects of politics and political information / %	**68**
AO3: Evaluate aspects of politics and political information / %	**44**
1.1: The government of the UK	57
1.2: The politics of the UK	51
1 - Government and politics of the UK / %	**55**
2.1: Government and politics of the USA	44
2.2: Comparative politics	44
2 - Government and politics of the USA and comparative politics / %	**44**
3.1: Core ideologies	68
3.2: Other ideologies	44
3 - Political ideas / %	**56**

Paper 1 (33.3%)	Total Marks	Grade
Question Level Analysis		
Q1: Media influence on elections / 9	6	
Q2: Challenges by Official Opposition / 9	4	
Q3: Selecting leaders for political parties / 9	7	
Q4: Codified constitution for the UK / 25	15	
Q5: The UK judiciary / 25	12	
Q6: Representative democracy / 25	9	
June 2022 Mock Exam / 77	44	B
Average Total Marks / 77 *Year Group Average Total Marks*	**44** *44.0*	
Current Unit Grade	**B**	

Paper 2 (33.3%)	Total Marks	Grade
Question Level Analysis		
Uk Government EOTT / 25	17	
Uk Government EOTT / 77	52	A
Average Total Marks / 77 *Year Group Average Total Marks*	**52** *52.0*	
Current Unit Grade	**A**	

Paper 3 (33.3%)	Total Marks	Grade
American Government structure EOTT / 77	34	D
Average Total Marks / 77 *Year Group Average Total Marks*	**34** *34.0*	
Current Unit Grade	**D**	