Y11 Computer Science
Exam Specification and General Support

Exam specification and exam board	GCSE Pearson Edexcel ICP2
Past paper questions	GCSE Pearson Edexcel Exam Materials
Revision Resources	Exam questions by topic: 11A 11C
Exam info	**Paper 1: Wednesday 15 May 2024 (AM, 1hr 30min)** Topics 1, 2,3, 4 and 5 **Paper 2: Tuesday 21 May 2024 (PM, 2hrs)** Topic 6

Y11 Computer Science Revision Plan

Revision Olympics

Sheldon School — BE KIND | BE BRAVE | BE THE BEST YOU

Week	Activity 1	Activity 2	Activity 3
1 19.02.24	• Complete the PLC in the Exam Revision Resources part of the Team • Use your RAG to guide which are the topics that you need to focus on	**Topic 1.1: Decomposition and abstraction** BBC Bitesize 1 BBC Bitesize 2 BBC Bitesize 3 • Watch the GCSE Pod • Attempt the 'Check and Challenge' • Attempt exam questions from the examples in the exam resources area on the Team	**Python coding: Practicing variables, input and output** Learning Python - Variables and Types W3 Schools - Python Variables W3 Schools - Python Data Types W3 Schools - Python Numbers W3 Schools - Python Casting
2 26.02.24	**Topic 1.2: Algorithms** BBC Bitesize and follow through from "Algorithms" to "Program code" • Watch the GCSE Pods • Attempt Seneca quiz	**Topic 1.2: Algorithms** BBC Bitesize and follow through from "The three basic programming constructs" to "Nesting"	**Python coding: Practicing operators** Learning Python - Basic Operators W3 Schools - Python Operators
3 04.03.24	**Topic 1.2: Algorithms** BBC Bitesize and follow from "Variables and constants" to "Programming Errors" • Attempt exam questions from the examples in the exam resources area on the Team	**Topic 1.2: Algorithms** BBC Bitesize and follow from "Standard algorithms" to "Merge sort" • Attempt exam questions from the examples in the exam resources area on the Team	**Python coding: Practicing selection (if statements)** Practicing relational and logical operators Learning Python - Conditions W3 Schools - Python Conditions
4 11.03.24	**Topic 2.1: Binary** • Watch the GCSE Pods • Attempt Seneca quiz • Attempt exam questions from the examples in the exam resources area on the Tea	**Topic 2.2: Data representation** **Topic 2.3: Data storage and compression** GCSE Pod 1 GCSE Pod 2 • Watch the GCSE Pods • Attempt Seneca quiz 1 • Attempt exam questions from the examples in the exam resources area on the Team	**Python coding: Practicing selection (if statements)** **Practicing relational and logical operators** Learn Python - Conditions W3 Schools - Python Conditions

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Week	Activity 1	Activity 2	Activity 3
5 18.03.24	**Topic 3.1: Hardware** • Watch the GCSE Pods • Attempt the 'Check and Challenge' • Attempt exam questions from the examples in the exam resources area on the Team	**Topic 3.2: Software** **Topic 3.3: Programming languages** GCSE Pod 1 GCSE Pod 2 • Watch the GCSE Pods • Attempt Seneca quiz • Attempt exam questions from the examples in the exam resources area on the Team	**Python coding: Practicing iteration (for and while loops)** Learning Python - Loops W3 Schools - Python While Loops W3 Schools - Python For Loops
6 25.03.24	**Topic 4.1: Networks** • Watch the GCSE Pods (except the last one) • Attempt Seneca quiz • Attempt exam questions from the examples in the exam resources area on the Team	**Topic 4.2: Network security** • Watch the GCSE Pods (last Pod) • Attempt Seneca quiz • Attempt exam questions from the examples in the exam resources area on the Team	**Python coding: Practicing sub programs (using def to create procedures and functions)** Learning Python - Funtions W3Schools - Python Functions
Easter Break	**Topic 5.1: Environmental** • Watch the GCSE Pods • Attempt Seneca quiz	**Topic 5.2: Ethical and legal** • Watch the GCSE Pods • Attempt Seneca quiz • Attempt exam questions from the examples in the exam resources area on the Team	**Python coding: Practicing string manipulation and formatting** Learnng Python - Basic String Operations W3 Schools - Python Strings W3 Schools - Python String Formatting
7 15.04.24	**Topic 5.3: Cyber Security** • Watch the GCSE Pods • Attempt Seneca quiz • Attempt exam questions from the examples in the exam resources area on the Team	**Tackling essay-style questions** BBC Bitesize	**Python coding: Practicing 1D and 2D lists** Learning Python Lists W3 Schools - Python Lists

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Week	Activity 1	Activity 2	Activity 3
8 22.04.24	• Complete the PLC in the Exam Revision Resources part of the Team again to re-assess which topics you still feel you need to work on • Revisit the revision resources for those topics	Revisit the revision resources for those topics you have felt you are still the weakest in the PL	**Python coding: Practicing Turtle** Beginners Guide Python Turtle
9 29.04.24	• Complete the PLC in the Exam Revision Resources part of the Team again to re-assess which topics you still feel you need to work on • Revisit the revision resources for those topics	Revisit the revision resources for those topics you have felt you are still the weakest in the PL	**Python coding: Practicing using files** W3 Schools - Python File Handling