Year 10 Revision List for Assessment in January

2.1 Algorithms	Before
1.Computational thinking:	
ₒabstraction	
ₒdecomposition	
ₒalgorithmic thinking	
2. Standard searching algorithms :	
Binary search	
Linear search	
3. Standard sorting algorithms :	
Bubble sort	
Insertion sort	
Merge sort	
4. How to produce Algorithms using:	
Pseudocode	
Using flow diagrams	

2.2 Programming Techniques	Before
1. The use of variables, constants, operators, inputs, outputs and assignments	
2. The use of the three basic programming constructs used to control the flow of a program:	
sequence	
selection	
iteration(count and condition controlled loops)	
3. The use of basic string manipulation	
9. The use of data types:	
Integer	
Real/Float	
Boolean	
Character and String	
Casting	
10. The common arithmetic operators	
11. The common Boolean operators.	
12. Applying computing-related mathematics:	
+	
ₒ **–**	
ₒ **/**	
ₒ *****	
ₒ **Exponentiation (^)**	
ₒ **MOD**	
ₒ **DIV**	