Creating Algorithms to Solve Problems.

When creating algorithms you can either write them using Flowchart symbols or write them using Pseudo Code (simple instructions that are similar to program code).

These are the standard symbols to use when creating a **flowchart**:





Standard key words to use in **Pseudo Code:**

Programming Technique	Example
Selection/Conditional Statement	IF condition THEN
	statement_to_execute_if_true
	IF condition THEN
	statement_to_execute_if_true
	ELSE
	statement_to_execute_if_false
	ENDIF
Iteration/Loops	FOR index = start_value TO finish_value
	statements_to_carry_out
	while condition then
	REPEAT
	statement
	UNTIL condition
Operators	= Is the same as (is equal to)
	> Greater Than
	< Less Than
	>= Greater than or equal to
	Less from or equal to (is not the same as)
	INPLIT variable name
Input and Output	
	OUTPUT variable_name
Function/Procedure	SUBROUTING name
	statements_to_carry_out
	statements to carry out
	END PROCEDURE
	FUNCTION name (input_values)
	statements_to_carry_out
	RETURN result_value_of_function
	END FUNCTION