Title		Class	Ter	m	Date
Class #	Aim:	How is the co	ded plot of a s	story related to the	way computers function?
Do Now	(Groups) U	Jse one of our 3	methods to s	show all the possibl	e versions of "LorT?"
Role		Collect HW	Ret	turn work	Collect Do Now
HW share	Anyone to r	ead? Let teach	er read? ID d	ecision points of	each version.
Share Do Now / Activity	Possible ve 1) 8 possible A] Brute i. ID dec ii. Reco iii. Reco iv. Name v. How o B] Tree D C] Functi i. How o ii. Perm a. ver b. f(x) 2) What if t	ersions of "LorT" pilities: how do Force (> Code cision points cl rd decisions of ord each 3 symbol es for each ver can you tell we' Diagram: 1 (TK) ion: permutation does the # of 7 utation Function rsions = (# of o = 2 raised to () the lady and the	?": <i>It comes</i> we know that Box) ~ list of <i>hronological</i> truth or trust a bol code in its <i>rsion, along v</i> re done? ( <i>Ca</i> ) <i>dec. pt&gt; 2</i> ns and expon <i>TF choices a</i> n ~ on board <i>ptions per c</i> at the trust of the trust <i>x) power</i> e tiger could s	down to "decision t? n board ly; show horizonta as T, falsehood or n B2 position, lowes with death or marn an't. We need anot 2 (P) dec. pts> 4 nential growth ffect the # of poss hoice) raised to (# ecretly switch place	n points." Ily: TK P L nistrust as F. t to highest. riage. ther method.) (L) dec. pts> 8 endings sible versions? t of choices) power
Mini- Lesson 1	<ul> <li>A] Show the versions for 4 decision points.</li> <li>What do the decision points of "LorT?" have to do with computers?</li> <li>1) Computers work with information in the form of 1s and 0s.</li> <li>A] 1s and 0s can mean almost anything. B] Meanings of 1s &amp; 0s are determined by us.</li> <li>2) Using 1s &amp; 0s requires a "protocol" = method/order of doing something</li> <li>A] Define the protocol we used to code "LorT?" (our Code Box) <ul> <li>i. Symbol: <i>T</i> = <i>trust</i>, <i>F</i> = <i>falseness</i></li> <li>ii. Position: <i>TK</i>&gt; <i>P</i>&gt; <i>L</i></li> <li>B] "binary" = system with only 2 parts (T or F in our case)</li> <li>C] "binary protocol"= <i>method/order of doing something w/only 2 elements</i></li> </ul> </li> <li>3) Switch the Code Box to 1s and 0s.</li> <li>A] 1st identify the meanings of our symbols: T = True = 1, F = False = 0</li> <li>B] Identify the meanings of our positions: 1st # = TK, 2nd = P, 3rd = L</li> <li>4) Do we need to record the ending with another digit?</li> <li>A] <i>No. We can always figure the ending out from the 1st 3 digits.</i></li> <li>B] Can you see any patterns for the endings? <i>Single 0&gt; death</i></li> </ul>				
	5) TK-P-L ( ASCII, anot	Code Box = a b ther Binary Prot	inary protocol ocol		
Time?				en you press a key	
Mini-	<ul> <li>2) The computer codes that letter as 1s &amp; 0s then shows it on the screen.</li> <li>3) Only the computer user sees this info. as anything other than 1s &amp; 0s.</li> <li>4) Hand out ASCII chart.</li> <li>A] = American Standard Code for Information Interchange</li> <li>B] = a binary protocol for the computer to understand the English alphabet</li> <li>C] 1 set of codes for lower case letters, 1 set for upper case letters</li> </ul>				
Lesson 2					
		-	mpler alphab	etic binary protocol	? Morse Code
HW	Write your r	name in ASCII.			

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