Unit 5.2 We are Cryptographers

	_		Questions I will be able to answer by the end of the unit:		Key Vocabulary		
1	Scratch animations.	1	Why do people use ciphers?	1	Cipher:	an agreed scheme (algorithm) for encrypting or decrypting a message	
		2		2	Codes:	ways of changing the way information is represented	
			What makes a safe password?	3	Cryptography:	the science of keeping communication and information secret	
		3	How do I know if a	4	Decrypt:	to convert an encrypted message into	
2			website is secure?			readable text	
3	techniques for debugging			5	Encode:	to change the form of a message into an agreed code	
	programs.			6	Encrypt:	to convert a readable message into an encrypted form so that it cannot be read by those without the key	
By the end of the unit, I will:						by those without the key	
				7	Message:	information to be transmitted from one person (or system) to another	
1	send and receive messages using Morse and semaphore.			8	Morse code:	a simple code for converting letters and	
				ð	morse code.	numbers into patterns of short and long	
2	encrypt and decrypt messages using the Caesar and substitution ciphers					electrical pulses	
				9	Semaphore:	a simple code for converting letters and	
3	recognise the importance of keeping passwords entirely secret					numbers into different positions of two flags, one held in each hand	
4	recognise the need for encryption when using the Internet.				Transmit:	to communicate a message over a long distance	