





Code Cracking Puzzle: Bacon not Turkey this Christmas

The message is hidden in the traditional carol 'Silent Night':

siLEnt NighT
hoLY niGht
aLL Is caLm
all is brigHt
roUnd yon virgiN
motHER and chiLD
holy iNfanT so TENDER AND MILD
SLEEP IN HEAVENLY PEACE
SLEEP IN HEAVENLY PEACE

Each five letter sequence (ignoring spaces) is a single letter of the secret message so first regroup the message in to groups of 5 letters (leaving the all capital groups):

100				
P	laint	text		
		erte	ext	
Α	aaaaa	N	abbaa	
В	aaaab	0	abbab	
C	aaaba	P	abbba	
D	aaabb	Q	abbbb	
E	aabaa	R	baaaa	
F	aabab	S	baaab	
G	aabba	T	baaba	
Н	aabbb	U. V	baabb	
l, J	abaaa	W.	babaa	
K	abaab	X	babab	
ı	ababa	Y	babba	
М	ababa	7	babbb	
IVI	ababb	2	Dabbb	

Ciphertext	Bacon binary version	plaintext
siLEn	aabba	G
tNigh	abaaa	I
ThoLY	baabb	V
niGht	aabaa	E
aLLIs	abbba	Р
caLma	aabaa	E
llisb	aaaaa	Α
rigHt	aaaba	С
roUnd	aabaa	E
yonvi	aaaaa	Α
rgiNm	aaaba	С
otHER	aabbb	Н
andch	aaaaa	Α
iLDho	abbaa	N
lyiNf	aaaba	С
anTso	aabaa	E

Message: GIVE PEACE A CHANCE

Computer Science activities with a sense of fun: Code Cracking Puzzle Bacon not Turkey: V1(17 Dec 2017) Created by Paul Curzon for Teaching London Computing: http://teachinglondoncomputing.org

