



CODE BREAKER CHALLENGE

There are two stages to this challenge.

Stage 1: Look at the ciphertext below and swap each number for their position in the alphabet starting with A=1, B=2 and so on. Write out the message, which will also be a clue to the answer to Stage 2.

Stage 2: Crack the bacon cipher.

Helpful hint: It's very important that the numbers in bold remain in bold for Stage 2

Ciphertext:

23 5 **12** 3 **15** 13 5 **20** 15 3 1 **14** 6 15 18 4 19 3 8 **15** 15 12 ' 19 **3 9 16 8 5** 18 3 8 1 12 12 **5** 14 **7** 5 6 15
18 20 8 5 25 5 1 18 8 **2 9 7 1 4 22 5** 14 20 21 18 **5 4 1 25** . **23 5** 12 12 4 15 **14 5 6** 15 18 7 5 20 20 9
14 7 20 8 **18 15 21** 7 8 20 8 5 6 **9 18 19 20 19 20 1 7 5 15 6 20 8 9 19 3 9 16 8 5 18 3 8 1 12 12 5 14**
7 5 . 25 **15 21 23 9 12 12 14 15 23 14 5 5 4 1 12 9 20 20 12 5 9 14 9 20 9 1 20 9 22 5 9 14 20 8 5 14**
5 24 20 1 14 4 6 9 14 1 12 19 20 1 7 5 . **20 8 9 19 13 5 19 19 1 7 5 8 1 19 1 12 19 15 2 5 5 14 5 14 3**
15 4 5 **4 21 19 9 14 7 1 13 5 20 8 15 4 9 14 3 18 25 16 20 15 7 18 1 16 8 25 3 1 12 12 5 4 1 2 1 3 15**
14 3 9 16 8 5 18 . **25 15 21 23 9 12 12 14 5 5 4 20 15 12 15 15 11 21 16 8 15 23 1 2 1 3 15 14 3 9 16**
8 5 18 23 15 18 11 19 9 14 15 18 4 5 18 4 5 3 15 4 5 20 8 5 14 5 24 20 19 20 1 7 5 15 6 20 8 9 19 3 8
1 12 12 5 14 **7 5** . 7 15 15 4 12 21 3 11!

Stage 2:

You will need to look up how a bacon cipher works in order to decode the next stage of this challenge.

Bacon Ciphertext:

00010 01101 01100 00110 10000 00000 10010 10011 01010 00000 10010 01000 01101
01100 10001 01101 01100 00100 10101 01110 01010 01101 10000 01000 01100 00110
01100 00100 10100 01001 01100 01101 10100 01010 00100 00011 00110 00100 10010
01101 00100 10101 00010 00100 01010 00000 10010 00010 01101 00011 00100 00001
10000 00100 00000 01001 01000 01100 00110 00010 00000 01100 10110 01101 10011
00100 10101 01110 10000 00100 10001 10001 10110 01101 10011 10000 10001 00100
01010 00101 00001 10110 01011 00000 01001 01000 01100 00110 10110 01101 10011
10000 01101 10100 01100 00010 01000 01110 00111 00100 10000

Once you have cracked both codes, please email your answers giving your name and school to events@canford.com by Friday 26th June.

We will draw two winners from all the entries at random and let you know the results in the week of Monday 29th June.

Good luck!