Cyber Security


Rudolph needs to escape from this cyberspace maze by reaching the flag. He starts where indicated and can move North/East/South/West to points along the same layer, or he can Ascend/Descend between layers (as shown by the dashed lines).

He can only go in the direction of the arrows. If he touches a key, then ALL the gold arrows will swap direction. What is his shortest route to get to the flag - and can you describe it using one 7-letter word?

ANSWER: Rudolph's route is: South, East, Ascend, West, East, East, Descend. The initial letters spell SEAWEED

If a French ailurophile fancies a chat, what does a Polish cynophile fancy?

ANSWER: An ailurophile likes cats, and 'chat' is French for 'cat'. Similarly a cynophile like dogs, and the Polish for 'dog' is PIES.


1. Replace all the blue cells with a letter from PART
2. Replace all the green cells with a letter from EYES
3. Replace all the gold cells with a letter from UNCURL

After each step you should have three 3-letter words in the rows of the grid, and you need to finish with a 9 -letter word in the same formation as FORMATION.

This gives the answer CARPENTRY

The Director has written his usual Christmas message, but now uncover the odd one out amongst the words forming these two sentences. It's odd because it's not odd!

ANSWER: All but one of the words in this question have an odd number of letters. The odd one out, which has an even number of letters, is, appropriately, DIRECTOR


ANSWER: Turning the wheels 20 places clockwise, anticlockwise, anticlockwise, clockwise, clockwise respectively results in the letters at the top spelling out PICKY.

xibu4xpset beesftt jut pvucpbse.hsje.sfkpjot
ANSWER: Taking the letter (or number) before each letter (or number) in the codetext gives 'what3words address is outboard.grid.rejoins'


If $2=$ GROWTH and $6=$ EXIST, then $9=$ what seven letter word which describes what you'll be doing with your presents on Christmas Day?

ANSWER: The letters of 'two' appear backwards in 'growth' and the letters of 'six' appear backwards in 'exist'. The letters of 'nine' appear backwards in OPENING.

ANSWER: Looking at the front of the card, the symbols for each question can be found together in two groups - Mathematics, Languages, Engineering and Analysis, Cyber Security, Coding and then Codebreaking on its own. Using the groups to arrange the answers to the questions into what3words addresses gives:
is opening.pies.picky (which is on CHRISTMAS Island)
is director.seaweed.carpentry (which is in the village of GREET)
is outboard.grid.rejoins (which is in the village of INGS)
So our seasonal message is CHRISTMAS GREETINGS.

