LANGUAGES AND CODING: WHO IS THE ENIGMATIC CHARACTER?

Codeword 4

An Enigmatic Character (who was mentioned in the VC session earlier) is hiding his/her identity in coded messages. Can you discover who it is?

Like the British code-breakers working at Bletchley Park during WWII, you have access to some weather reports. These may be in English, French, Spanish or German. You will need to:

- Use the information gained from the Frequency Analysis task to decide which language each text was originally in. Note that accents were removed before coding the original text.
- Solve the clues. Each will give you 3 coordinates: (sentence number, word number, letter), so for instance (2, 14, 3) means the 2nd sentence, 14th word, 3rd letter.
- Some clues are written as coordinates in brackets, so (letters in the alphabet, days in a week, hours in a day) would give (26, 7, 24).
- Other clues give you a single number. Keep the digits in order, and decide what coordinates they could give, so if the answer was 432, the coordinates would be (4, 3, 2).
- Use the coordinates to find letters in the coded text which will give you a code-word.
- Move all the letters forward or backward to get a word or phrase recognisable in the original language of the piece of text: English = 4 places, French = 2 places, German = 2 places, Spanish = 2 places.
- Use the codewords and the information from the first VC session to find the identity of the Enigmatic Character.
- If you want to decode the text, feel free, but it isn't necessary to find the identity of the Enigmatic Character.

Text 4

YAQATTAZH AZ EYBZCA DYAHBEZA, IA HATFL B AHA HYAL KYVGC BXAQ DABJQVJF CA ZAGEA AH CA EIBQA.

GI B EAIA IB FIJFBYH CJ HATFL, AH IA XAYEIBL B BJLLG FVLA CAL FYVDIATAL. IA HATFL C'BJMVJYC'PJG ALH AZQVYA BLLAN KYVGC AH ZJBEAJR BXAQ JZA DBZCA CA FIJGA AH CA ZAGEA L'AHAZCBZH XAYL IA ZVYC ALH FVJY HVJQPAY HVJH IA FBWL.

UJAIUJAL AQIBGYQGAL LVZH FVLLGDIAL CBZL IA LJC VJALH, BXAQ JZ XAZH KBGDIGLLBZH, AZ FBYHGQJIGAY CBZL IA LJC.

VZ FYAXVGH UJA IA XAZH LA CAFIBQAYB XAYL IA LJC VJALH, QA UJG CAXYBGH FYVXVUJAY JZ YAQPBJKKATAZH, CA LVYHA UJA IAL HATFAYBHJYAL CJ TVGL FYVQPBGZ LAYVZH FIJL VJ TVGZL ZVYTBIAL AH IB FIJGA FIJL FYVDBDIA UJA IB ZAGEA.

Language: .....

Clues for codeword 4

Clue	Sentence coordinate	Word coordinate	Letter Coordinate	Letter in text	Letter in codeword
$(x, x^2, x+2)$ where ***x*** is the order of rotational symmetry of a regular pentagon					
(2nd prime, 9th prime, 2nd prime)					
(3rd prime, vertices of a cube, lines of symmetry of an equilateral triangle)					
(2nd triangle number, faces of a cube, median of 2nd and 4th primes)					
$100x+10x+x$ where ***x*** is the solution to $4x-5=6x-7$, then rearranged into coordinates					
$(x+1, x^2+1, x)$ where ***x*** is the number of lines of symmetry of a square					
$1000+x(x^3+100)$ where ***x*** is the number of wonders in the ancient world					
(Lines of symmetry on a non-square rectangle, vertices of an octahedron, quarter of a quarter of 16)					
(Vertices of a square-based pyramid, product of 2nd triangle number and 5th prime, median of integers from 1 to 5)					
$x^3(x-1)$ where ***x*** satisfies $\frac{3x}{4}=x-1$					
(Hat-trick, 4!, 4% of 125)					
12th prime times the 4th prime times one less than the 7th prime, minus 1					
(12.5% of 24, 2^4+2, 12.5% of 40)					
(Faces of a tetrahedron, deadly sins, a third of a third of 27)					

Codeword: ……..