

STATE

DA VINCI DECATHLON 2018

CELEBRATING THE ACADEMIC GIFTS OF STUDENTS
IN YEARS 7 & 8



CODE BREAKING / ANSWERS

TEAM NUMBER	

Part 1	Part 2
/40	/10

PART 1

TRACK THE MESSAGES

5 MARKS EACH

Mitch found a series of scraps of text amongst his grandmother's things. She had promised that she would share some of her quirky wisdom with him. I guess this was it. Can you decode her messages?

You will score **5 points for each message**, including who said it. There are partial points for getting most of the message decoded. Make sure it is translated accurately.

There are some extra resources and the occasional clue. Feel free to work things out on the paper as you go but make sure that you record all of your messages on the answer page at the end of the questions.

CLUE 1

Hiwch atdhe si rbeprefela ot yevre ehotr? 'eht txneudpcee'. sjuiul esrcaa

CLUE 2

TPTNEDWHUYENLORD OXETHUEPCESOSTOOGLMDRITLETSAWLE ECEXTHARHONECCI

CLUE 3

653 243 47 843 6678 8639732833 63 255 844647 8428 427736 86 2 626. 5366 8768759

CLUE 4

Pm opzavyf ylwlhaz pazlsm, huk aol bulewljalk hsdhfz ohwwluz, ovd pujhwhisl tbza Thu il vm slhyupun myvt lewlyplujl. Nlvynl llyuhyk Zohd

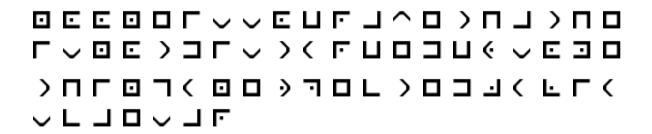
CLUE 5

I tried out various experiments described in treatises on physics and chemistry, and the results were sometimes unexpected. At times, I would be encouraged by a little unhoped-for success;

(complete the quote...)

85 8 90 68 16 53 74 8 92 LD 4 49 90 E DEE15 99 T D99 91 77 4 20 92 34 8 9 89 6 53 DE7 117 A60 9 A53 71 75 16 75 16 92 L22 7 G 87 8 M M39 49 EX15 68 53 E7 58 M18 53 E 29 R53 E

CLUE 6



CLUE 7

Α	S	С	Α	S	Α	В	L
I	I	M	Р	L	Е	1	Α
L	S	L	U	Т	I	Υ	N
U	N	0	Н	Е	0	Е	С
J	Е	S	Т	В	N	Т	Α
	Т	Т	S	E	S	U	S
D	F	0	Е	R	Α	N	Χ
Е	Т	С	Е	Р	Χ	Е	Χ

CLUE 8

^ Sct s nvr tkn by srprs; h knws xctly wht t d whn nythng nxpctd hppns. Rbrt Bdn-Pwll

PART 2

WHAT DID YOU SAY?

10 MARKS

The following unexpected and rather alarming dialogue was overheard between Bruce and Bernice. It seems that Bruce had taken to replacing the words down, into, up, run, mouse, and street with the words gwee, ippip, trowby, foba, pomble, and gorch. Bernice couldn't tell which was which, so she had this conversation:

Bernice: So, it started off with the cat pombling the trowby gwee.

Bruce: That's nonsense; that's not even a good sentence.

Bernice: Could I say "The cat pombled the foba gwee?"

Bruce: That's just as bad.

Bernice: It was gwee the foba that the cat pombled, right?

Bruce: Correct.

Bernice: Then the cat pombled gorch the foba and ippip the foba.

Bruce: Yes.

Bernice: And the cat pombled gorch the foba and ippip the trowby?

Bruce: You're talking nonsense again.

Bernice: But it was ippip the trowby that the cat pombled?

Bruce: You don't know how to use words, do you?

Bernice: The cat pombled the trowby ippip.

Bruce: That sounds a lot better.

What do the following words mean?

WORD	TRANSLATION	MARK
ippip	d o w n	
foba	street	
pomble	r u n	
gwee	into	
trowby	m o u s e	
gorch	u p	

[2 points off for each incorrect answer up to 10 – this allows for getting one random correct answer] OzCLO 2012

ANSWER SHEET

TEAM NUMBER____

CLUE	MESSAGE	MARK
1	Which death is preferable to every other? 'The unexpected'. Julius Caesar Anagrams for each word.	
2	To expect the unexpected shows a thoroughly modern intellect. Oscar Wilde	
	Rail fence – 3 rails	
3	Old age is the most unexpected of all things that happen to a man. Leon Trotsky Phone code	
4	If history repeats itself, and the unexpected always happens, how incapable must Man be of learning from experience. George Bernard Shaw Caesar cipher +7	
5	(I tried out various experiments described in treatises on physics and chemistry, and the results were sometimes unexpected. At times, I would be encouraged by a little unhoped-for success;)	
	at others, I would be in the deepest despair because of accidents and failures resulting from my inexperience. Marie Curie	
	periodic table	
6	No one is so brave that he is not disturbed by something unexpected. Julius Caesar Pig pen cipher	
7	The best solutions are often simple, yet unexpected. Julian Casablancas	
	Spiral from the centre clockwise.	
8	A Scout is never taken by surprise; he knows exactly what to do when anything unexpected happens. Robert Baden-Powell Missing vowels	

5 marks for each **completely** correct solution (take a half mark off for one minor mistake)

Marks in proportion to the amount of the message translated.

If there is some progress, give a mark.

