

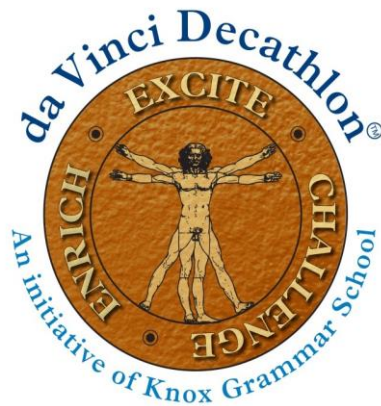


KNOX  
GRAMMAR  
SCHOOL

STATE

# DA VINCI DECATHLON 2018

CELEBRATING THE ACADEMIC GIFTS OF STUDENTS  
IN YEARS 7 & 8



## CODE BREAKING

TEAM NUMBER \_\_\_\_\_

1	2	Total	Rank
/40	/10	/60	

# 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. Only the ANSWER PAGE will be marked.

### CLUE 1

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

### CLUE 2

TPTNEDWHUYENLORD  
OXETHUEPCESOSTOOGLEMDRITLETSAWLE  
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 unhopd-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 T16 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**



# 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, poble, and gorch. Bernice couldn't tell which was which, so she had this conversation:

Bernice: So, it started off with the cat pombing 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		
foba		
poble		
gwee		
trowby		
gorch		

**ANSWER SHEET**

**TEAM NUMBER** \_\_\_\_\_

CLUE	MESSAGE	MARK
1		
2		
3		
4		
5		
6		
7		
8		

# Periodic Table of the Elements

																	18 VIII 8A
2																	17 VIIA 7A
9																	16 VIA 6A
8																	15 VA 5A
7																	14 IVA 4A
6																	13 IIIA 3A
5																	12 IIB 2B
4																	11 IB 1B
3																	10 VIII 8
1																	1 IA 1A
18																	18 VIIIA 8A
17																	17 VIIA 7A
16																	16 VIA 6A
15																	15 VA 5A
14																	14 IVA 4A
13																	13 IIIA 3A
12																	12 IIB 2B
11																	11 IB 1B
10																	10 VIII 8
9																	9 VIIA 7A
8																	8 VIA 6A
7																	7 VA 5A
6																	6 IVA 4A
5																	5 IIIA 3A
4																	4 IIA 2A
3																	3 IIIB 3B
2																	2 IIA 2A
1																	1 IA 1A
18																	18 VIIIA 8A
17																	17 VIIA 7A
16																	16 VIA 6A
15																	15 VA 5A
14																	14 IVA 4A
13																	13 IIIA 3A
12																	12 IIB 2B
11																	11 IB 1B
10																	10 VIII 8
9																	9 VIIA 7A
8																	8 VIA 6A
7																	7 VA 5A
6																	6 IVA 4A
5																	5 IIIA 3A
4																	4 IIA 2A
3																	3 IIIB 3B
2																	2 IIA 2A
1																	1 IA 1A
18																	18 VIIIA 8A
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6																	6 IVA 4A
5																	5 IIIA 3A
4																	4 IIA 2A
3																	3 IIIB 3B
2																	2 IIA 2A
1																	1 IA 1A

- Lanthanide Series
- Actinide Series
- Alkali Metals
- Alkaline Earths
- Transition Metals
- Basic Metals
- Scand-Metals
- Nicometals
- Halogens
- Noble Gases
- Lanthanides
- Actinides