



# STATE DA VINCI DECATHLON 2017

CELEBRATING THE ACADEMIC GIFTS OF STUDENTS  
IN YEARS 7 & 8



## CODE BREAKING

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

# Code Breaking

A selection of wisdom about 'power' is not hard to come by but here the selection has an extra challenge in that all has been encoded. Some codes are simple, straightforward and familiar but some need hints and maybe a cryptic clue or two.

For each quote that you correctly collect, you will receive **5 points**. However, to gain the full reward, make sure that every detail is decoded.

Your collection should be recorded on the sheet at the end of the paper. Credit will be given for partially decoded messages.

## Quote 1

Let's start with something straightforward but funny nonetheless.

rhcthT trgrM . t'nr y , r y lpp llt t vh y f . ydl \_ gnb kl s lfrwp gnB

## Quote 2

Now, this type of power is worth knowing about.

OZWF LZW HGOWJ GX DGNW GNWJUGEWK LZW DGNW GX HGOWJ LZW OGJDV  
OADD CFGO HWSUW.  
BAEA ZWFFVJAP

## Quote 3

The Freemasons invented the method of encoding this message in the 18th century. However, the message predates the method by many, many years.

>Π□ □□∪∨<Γ□ □□ ∪ □□□  
Γ∨ ∨Π∪> Π□ □□∪∨∨Γ>Π  
Γ□∨□Γ □□∪>□

## Quote 4

A simple but profound message.....

M s e i g t e s s t e g h M s e i g o r e f s r e o e . L o i  
a t r n o h r i s r n t . a t r n y u s l i t u p w r a z

**Quote 5**



*Will you but* add these words to those found using the number key. Then you can tell me what Bruce Lee said....

Number key – 1, 6, 3, 15, 6

\_\_\_\_\_ , \_\_\_\_\_  
\_\_\_\_\_.

Knowledge is power. Information is liberating. Education is the premise of progress, in every society, in every family.

Kofi Annan

The most common way people give up their power is by thinking they don't have any.

Alice Walker

Beauty is power; a smile is its sword.

John Ray

Nearly all men can stand adversity, but if you want to test a man's character, give him power.

Abraham Lincoln

I have learned a deep respect for one of Goethe's couplets:

“Whatever you can do, or dream you can, begin it.

Boldness has genius, power, and magic in it!”

— William Hutchison Murray

**Quote 6**

Power is the key to many situations. This is no exception.

Edotbteraux oeoudlotoI pptrnopcpse rsraserubtx wncpauwrsly

## Quote 7

Mahatma Gandhi said:

843 329 843 76937 63 5683 683778537 843 5683 63 76937, 843 96753

9455 5669 73223.

## Quote 8

“But remember that xxxxxxxxxxxx too is a power. To beg for it is a power, and to withhold or bestow it is a power, perhaps the greatest.”

— Margaret Atwood, *The Handmaid's Tale*

What is it that Margaret Atwood speaks of?

**01110100 01101000 01100101**

**01110000 01101111 01110111 01100101 01110010**

**01110100 01101111**

**01100110 01101111 01110010 01100111 01101001 01110110 01100101**

## Quote 9

You will find that this quote from James Baldwin is not odd at all..... But it is challenging in its simplicity. Just start right and top.

T	E	S	A	N	I	A	B	I	T	I
H	C	A	D	I	E	T	F	S	G	H
A	I	C	J	N	K	R	E	C	L	M
T	N	Y	N	A	O	P	Q	R	O	W
I	G	S	L	I	E	I	T	H	P	E
T	N	U	L	V	D	W	W	X	Y	R
R	O	Z	A	A	B	C	H	T	S	I
A	N	C	E	D	O	M	E	E	F	G
H	I	J	K	T	S	L	M	C	E	C
O	I	R	E	F	N	S	T	I	O	A
U	P	Q	R	Y	J	U	S	T	U	N
S	E	N	E	M	V	W	E	V	A	H

2	8	6	1	6	4	2	3	6	4	2
4	5	4	7	8	9	8	1	8	3	5
6	7	2	9	2	1	6	4	2	3	5
8	7	8	6	4	9	1	3	5	2	4
2	4	7	8	2	4	2	4	6	8	6
9	6	1	6	3	6	8	5	7	9	8
2	8	1	4	3	5	7	8	6	4	2
4	6	8	2	9	6	4	2	1	3	5
7	9	1	3	2	8	5	7	6	8	2
4	2	8	6	4	9	8	2	4	1	4
6	3	5	7	2	4	6	9	1	3	6
8	2	4	6	8	5	7	6	4	2	8

**Code Breaking Answers:**

**Team Number:**

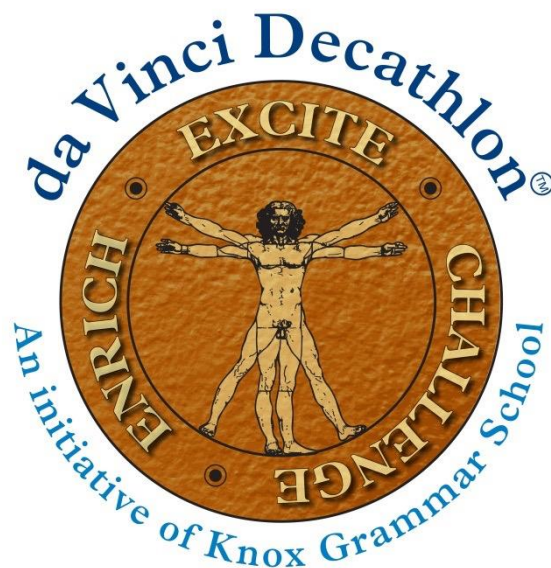
<b>QUOTE NUMBER</b>	<b>QUOTE</b>
1	
2	
3	
4	
5	
6	
7	
8	
9	

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> n o    o o j v < f o    e e    j    j j o  
r v    v n j >    n o    j e o v    v r > n  
q e v o f                    q e j > e



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H	C	A	D	I	E	T	F	S	G	H
A	I	C	J	N	K	R	E	C	L	M
T	N	Y	N	A	O	P	Q	R	O	W
I	G	S	L	I	E	I	T	H	P	E
T	N	U	L	V	D	W	W	X	Y	R
R	O	Z	A	A	B	C	H	T	S	I
A	N	C	E	D	O	M	E	E	F	G
H	I	J	K	T	S	L	M	C	E	C
O	I	R	E	F	N	S	T	I	O	A
U	P	Q	R	Y	J	U	S	T	U	N
S	E	N	E	M	V	W	E	V	A	H

2	8	6	1	6	4	2	3	6	4	2
4	5	4	7	8	9	8	1	8	3	5
6	7	2	9	2	1	6	4	2	3	5
8	7	8	6	4	9	1	3	5	2	4
2	4	7	8	2	4	2	4	6	8	6
9	6	1	6	3	6	8	5	7	9	8
2	8	1	4	3	5	7	8	6	4	2
4	6	8	2	9	6	4	2	1	3	5
7	9	1	3	2	8	5	7	6	8	2
4	2	8	6	4	9	8	2	4	1	4
6	3	5	7	2	4	6	9	1	3	6
8	2	4	6	8	5	7	6	4	2	8

**Code Breaking Answers:**

**Team Number:**

QUOTE NUMBER	QUOTE
1	<p>Being powerful is like being a lady. If you have to tell people you are, you aren't. Margaret Thatcher</p> <p>Backwards, missing vowels</p>
2	<p>When the power of love overcomes the love of power the world will know peace. Jimi Hendrix shift cipher a = S</p>
3	<p>The measure of a man is what he does with power. Plato</p> <p>pigpen</p>
4	<p>Mastering others is strength. Mastering yourself is true power. Laozi (railfence)</p>
5	<p>Knowledge will give you power, but character respect. Bruce Lee</p> <p>The number key gives the position of the word in the line of the quote. 1=knowledge... will you but are the missing joining words, given in the cryptic clue.</p>
6	<p>Power tends to corrupt, and absolute power corrupts absolutely. John Dalberg-Acton, 1st Baron Acton</p> <p>Columnar transposition with power as key</p>
7	<p>"The day the power of love overrules the love of power, the world will know peace." — Mahatma Gandhi</p> <p>Phone code</p>
8	<p>ANS: the power to forgive (binary)</p>
9	<p>It is certain, in any case, that ignorance, allied with power, is the most ferocious enemy justice can have.</p> <p>Follow the even numbers from the top right 2,4,6,8,2,4,6,8 – they correspond to letters in the accompanying grid</p>

**5 marks** for each quote **completely** correct.

Marks should be awarded in proportion to how much of the quote has been decoded.

If the type of code has been recognised and some attempt made to decode (correct thinking is evident) but little of the quote has been deciphered, a single mark may be awarded.

Markers may use their discretion but all markers must be consistent so variations to this guide must be coordinated through the marking team leader.