North Carolina Science Olympiad — Code Busters

Sample Test 7
2016-2017

Frequency Table of English letters:

E	12.51%	S	6.54%	C	3.06%	G	1.96%	K	0.67%
T	9.25%	R	6.12%	U	2.71%	W	1.92%	X	0.19%
A	8.04%	H	5.49%	M	2.53%	Y	1.73%	J	0.16%
O	7.60%	L	4.14%	F	2.30%	B	1.54%	Q	0.11%
I	7.26%	D	3.99%	P	2.00%	V	0.99%	Z	0.09%
N	7.09%								

School _____ V JV1 JV2 JV3

1) **[250 Points]**: Solve this Patristocrat which is a quote by H. Jackson Brown, Jr.. The last word is **TODAY** and you should be able to guess the first three letter word which is followed by a four letter word.

UVYNY GUSZY SBZBU LAPIA ZUACA ZZAML GFALP ERAJZ NYGUU

AFBR.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	8	3	1		1	2	3		1	1		3	1	2		2		2	2		6	1			4	6

2) **[300 Points]**: Solve this Patristocrat which is a quote by Michael Crichton. The first word is **IF** and the last word is **TREE**.

GVDUR ZUIJX IUYCG FJUMD JCAID URZUI JXIUY TIDJC GIWDU

RTMAT PATVJ CTJZU AFIJX IUYGJ GFBTM JUVTJ MAA.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	6	1	4	5		3	5		9	11			4			1		3		7	11	3	1	3	3	3

School _____ V JV1 JV2 JV3

3) **[250 Points]**: Solve this Patristocrat which is a quote by Christopher Paolini in *Eragon*. The first word is **PEOPLE** and the last word is **SHOULDN'T**.

KQCKA QBSMQ SZSZZ CPYZN BSJYW CTHQD QDJQH YZNWB YZNRW

BQPRB CIAEZ W.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	2	5	4	2	1			2	1	2	2		1	3		2	7	2	4	1			4		4	7

4) **[300 Points]**: Solve this Patristocrat which is a quote by Cassandra Clare in *City of Ashes*. The last word is **POORLY** and the word before it has 6 letters.

VLQKQ RVMXL BXDCB XOXQO KXQLQ KIPKC QRQFX CBQCL QKYXX

RVDNQ RVCCR XZAAE RT.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	2	3	6	2	1	1			1		5	4	1	1	2	1	10	6		1		4		9	1	1

School _____ V JV1 JV2 JV3

5) **[250 Points]**: Solve this Patristocrat which is a quote by Hendrik Wilhelm van Loon in *The Story of Mankind*. The last word is **BUTTER**.

OJGJV KOQWZ QTOJG DQWUS VKOJG WGHQW SQTIX IAVAF LGKOQ

TJVKS IVUZC WGISI ASCLO OGW.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	3		2	1		1	7	1	5	5	4	2			7		6		5	3	2	5	6	1		2

6) **[200 Points]**: Solve this Patristocrat which is a quote by Pablo Picasso. The last word is **ACCIDENTS**.

JTLXS MAHJA QAJXG ZZJTA XSBSR ANAGN ALXHF AXZLI XSANB

JXRJB SLNFS RANAG NAXLG ZZJTA XSB.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	13	4				2	4	2	1	7		5	1	6			1	3	7	3				9		5

School _____ V JV1 JV2 JV3

7) **[250 Points]**: Solve this Patristocrat which is a quote by Thomas Jefferson. The last word is **PAST**. and the word **THE** appears four times.

YWYCK DTKPM KSNEX GDTKG VDVMK HKDDK MDTSO DTKTY EDXMZ

XGDTK QSED.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq			1	10	3		3	1			9		4	1	1	1	1		3	6		2	1	3	3	1

8) **[200 Points]**: Solve this Patristocrat which is a quote by David Ben-Gurion. The first word is **ANYONE** and the last word is **MEMOIRS**.

IFHZF SOKZP SQCSN SAHZJ DIFVD KIFES KCAVZ LHKIA FSNSL

VLCSY VZOLC VSKCA TSTZC LA.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq		5		6	2	1	5		3	4	1	5	5		2	2	1	1		10	2		5			1

School _____ V JV1 JV2 JV3

9) **[250 Points]**: Solve this Patristocrat which is a quote by Joan Rivers. The first word is **YESTERDAY**.

VYESY PIRVX EWXES DPVSD QDPPD JXERQ VESYP VSDIR VXEUD

IEUXL SSWRS EJWVJ YMROO XSSWY GPYEY BS.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq		1		6	9		1		3	3		1	1		2	6	2	5	11		2	7	4	6	7	

10) **[200 Points]**: Solve this Patristocrat which is a quote by Helen Keller. The last word is **HEART**.

WLXIX TWSMB KGTWI XSHWQ NHPWL QMZTQ MWLXO GCPBD SMMGW

IXTXX MGCXA XMWGH DLXBW LXUKH TWIXN XPWOQ WLWLX LXSCW.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	1	3	3	2			5	4	4		2	8	7	2	2	3	4		4	5	1		14	15		1

School _____ V JV1 JV2 JV3

11) **[300 Points]**: Solve this Patristocrat which is a quote by Lao Tzu. The first word is **A** and the last word is **OURSELVES**.

CBDCY DTLFN DFWAR DSMDP MBDNC TDBXQ SPARD DHLFW FARDS

RLFAP TQLFY PSDRL FCLEV GBVLB BDYWR DXALB BFCXA DYLYL

WPGTF DBJDF.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	6	9	5	16	1	10	2	1		1		10	2	2		5	2	6	4	4		2	4	3	5	

12) **[200 Points]**: Solve this Patristocrat which is a quote by William Arthur Ward. The last word is **OURSELVES** (yes, just like the previous question).

GFZTG ZYZZA QWCVY KWNZH QFZDZ YQVTW QFZHY GZYWS ZFWGD

HVTMW BQQFZ DZYQV TWBHY ZINZY.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
Freq	1	2	1	3		5	4	4	1		1		1	2			7		1	4		4	7		8	14