

Codes and Codebreaking - Activities!

We've learned a lot about a wide variety of codes in this course, and these activities are going to give you a chance to review what you've learned. Give them your best effort, and then take a look at the Solutions Sheet to see how close you came to cracking all the codes we've learned so far! Don't worry if you have a bit of trouble; it's been a while!

Activity 1: Railway!

The trick to Railway is to read down, then across, instead of what we're used to (which is across, then down).

1)

C	E	R	U
O	S	E	N
D	A	F	

CODES ARE FUN

2)

W	S	Y	U	H	N	S
A	H	O	R	A	D	

WASH YOUR HANDS

3)

W	I	N	A	S
E	T	C	I	
S	O	H	R	

WE SIT ON CHAIRS

4)

T	E	E	N	T	Y
H	A	R	I	O	
E	T	I	C	D	
W	H	S	E	A	

THE WEATHER IS NICE TODAY

Activity 2: Snakeway!

The trick to Snakeway is to read the text like a snake. You start at the top left, then read straight down, and when you get to the end you go one to the right and then start to read UP. In this way, you read the text like a windy snake!

1)

S	A	F	Y	H	
T	S	E	A	O	
A	Y	S	T	M	E

STAY SAFE STAY HOME

2)

D	S	A	G	O	P	E	
O	G	R	E	O	D	T	S

DOGS ARE GOOD PETS

3)

B	U	R	
R	O	T	
U	Y	E	H
S	H	E	T

BRUSH YOUR TEETH

4)

C	E	I	A	P	I	Z
A	M	N	H	E	S	E
T	O	A	S	S	D	S
S	C	L	L	A	N	

CATS COME IN ALL SHAPES AND SIZES

Activity 3: Pigpen!

A	B	C	J	K	L
D	E	F	M	N	O
G	H	I	P	Q	R

S	W
T	X
U	Y
V	Z

1)



CODES ARE FUN

2)



THE SUN SETS IN THE WEST

3) L E V V L F A O F E V > L < F O C F O L J V .
 COWS LIVE MOSTLY IN FIELDS

4) U F U O V N J A O > V E V N O O L V .
 BIKES HAVE TWO WHEELS

Activity 4: Mirror Cipher

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

1) XLWVH ZIV UFM.

Codes are fun.

2) NRILIH ZIV XLMUFHRMT.

Mirrors are confusing.

3) NRILLI, NRILLI LM GSV DZOO.

Mirror, mirror on the wall.

4) KLIIRWTV RH GZHGB.

Porrdge is tasty

Activity 5: Caesar Cipher (Shift 3)

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

- 1) ZLABP XOB CRK.
Codes are fun.
- 2) MXPQX TFQE FEBBPB.
Pasta with cheese.
- 3) XII OLXDP IBXA QL OLJY.
All roads lead to Rome.
- 4) PBXDRIIO XOB ILRA.
SEAGULLS ARE LOUD