

COUNT ON US

PRIMARY CHALLENGE 2023



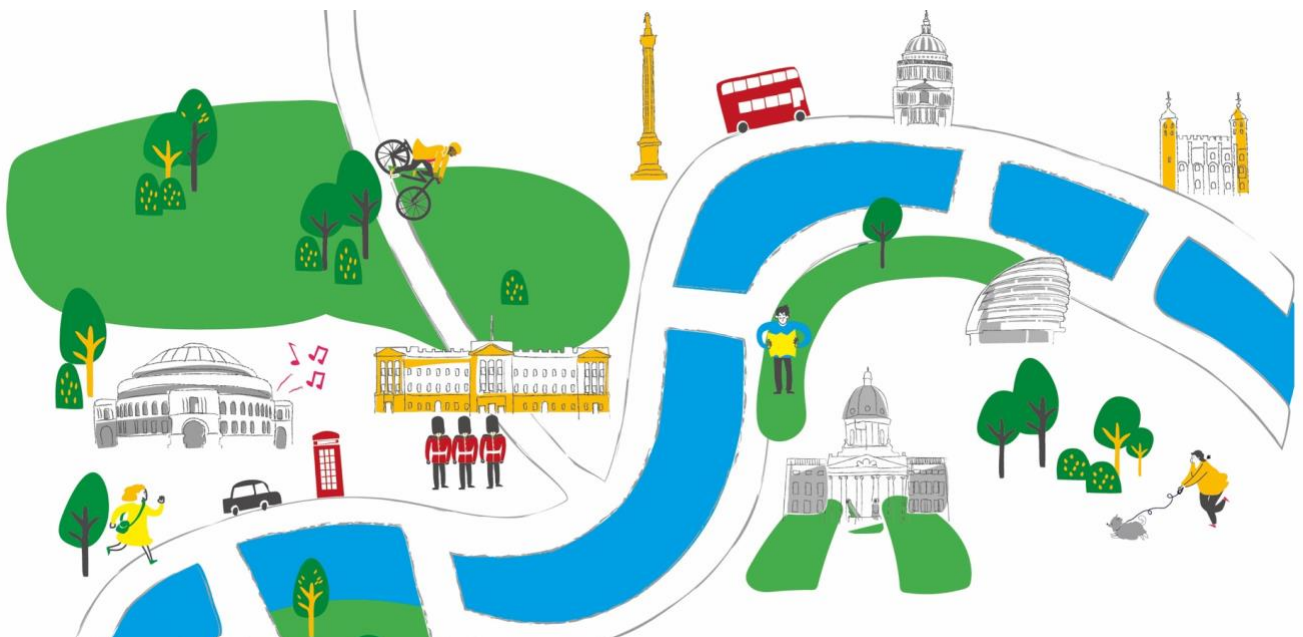
ROUND 3: Codebreaking - Pupil Pack

A Day Trip

- What do you need to buy for your trip?
- How much will you spend?
- How much change will you have from £20?

BONUS:

- Where are you going on your class day out in London?



Round 3: Code Breaking A Day Trip



Decipher the clue and work out what you need to buy. Don't forget to write the clue and item on your **Answer Sheet**.

Item 1 **Clue:**

Pdnh vxuh brx
exb mxlfb rqhv.

Shift: **3**

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
cipher text													
plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
cipher text													

Clue:

Item:

Round 3: Code Breaking A Day Trip



Decipher the clue and work out what you need to buy.
Don't forget to write the clue and item on your **Answer Sheet**.

Item 2 Clue:

Pa dpss rllw fvby
olhk upjl huk
dhyt.

Shift: 7

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
cipher text													
plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
cipher text													

Clue:

Item:

Round 3: Code Breaking A Day Trip



Decipher the clue and work out what you need to buy. Don't forget to write the clue and item on your **Answer Sheet**.

Item 3 **Clue:**

Lzak oadd cwwh
wnwjqlzafy vjq.

Shift: **18**

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
cipher text													
plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
cipher text													

Clue:

Item:

Round 3: Code Breaking A Day Trip



Decipher the clue and work out what you need to buy. Don't forget to write the clue and item on your **Answer Sheet**.

Item 4 Clue:

Bj hfs knqq ymjxj
zu fy ymj yfux.

Shift: 5

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
cipher text													
plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
cipher text													

Clue:

Item:

Count on Us Primary Challenge 2023: HEATS

Round 3: Code Breaking A Day Trip



A Day Trip: Pricelist

Which items do you need to buy for your day out?

Water Bottle		£4.25
Sleeping bag		£9.50
Tent		£12.75
Hat		£4.50
Bag of fruit		£1.50
Torch		£4.25
Pencil case		£1.15
Waterproof Bag		Full price: £12.00

Count on Us Primary Challenge 2023: HEATS

Round 3: Code Breaking A Day Trip

Answer Sheet

School:

Clue 15 points each	Item to buy 10 points each	Price
1		
2		
3		
4		
BONUS – Where are you going? 20 points Clue: Answer:	Total price 50 points	
	Change from £20 30 points	
	Total score: /200	

Count on Us Primary Challenge 2023



Codebreaking: blank charts

Shift

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
cipher text													
plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
cipher text													

Shift

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
cipher text													
plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
cipher text													

Shift

plaintext	a	b	c	d	e	f	g	h	i	j	k	l	m
cipher text													
plaintext	n	o	p	q	r	s	t	u	v	w	x	y	z
cipher text													