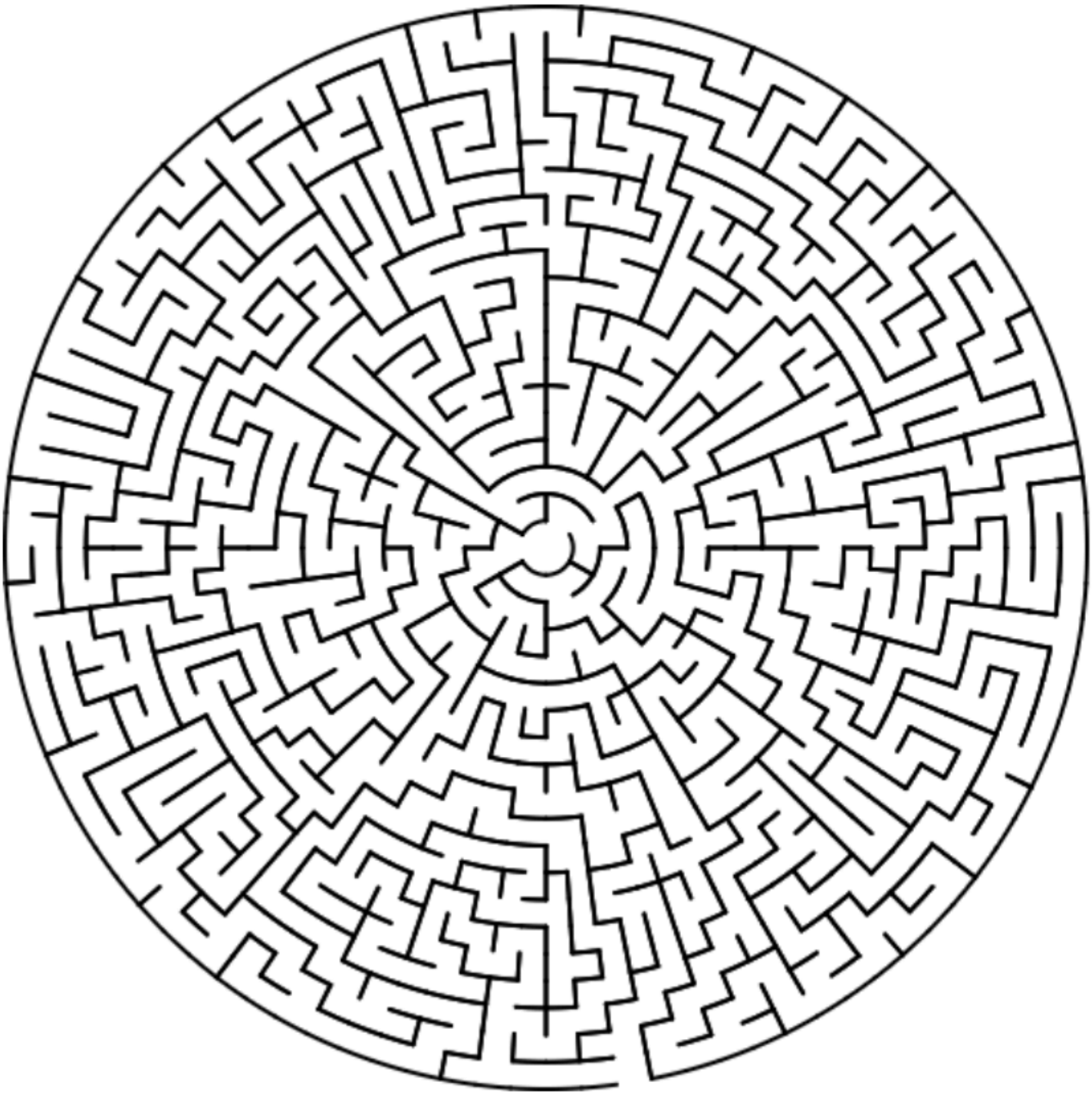
First Name:_____ Grade:_____

Your Teachers: Mr. Hall, Mr. Jacobs, Ms. Munson

Can You Solve the Maze?



Decode:

8s	4s	2s	1s
0	1	1	1
Decoded Number:_____			

8s	4s	2s	1s
1	1	0	1
Decoded Number:_____			

Follow Along:

While we are using our listening skills and learning more about thinking and computing, fill in the blanks of the statements or answer the questions below with the data your teachers share with you on the slideshow!

1. Radio is the technology used to _____ using radio waves.
2. True or False? Radio waves can be seen with the human eye.

   _____
3. A transmitter _____ radio signals
4. A receiver _____ radio signals
5. Name two things radio communication is used for.

   _____

Alphabet in Binary Code (Capital Letters)

A	01000001	J	01001010	S	01010011
B	01000010	K	01001011	T	01010100
C	01000011	L	01001100	U	01010101
D	01000100	M	01001101	V	01010110
E	01000101	N	01001110	W	01010111
F	01000110	O	01001111	X	01011000
G	01000111	P	01010000	Y	01011001
H	01001000	Q	01010001	Z	01011010
I	01001001	R	01010010		

Encode the First 4 Letters of Your First Name:

Letters	Binary Sequences							

Decode the First 4 Letters of Your Partner's Name:

Binary Sequences								Letters

Circle your secret partner!			
Addie	Brayden	Clare	Clementine
Ellis	Elsie	Emilia	Ezra
Jason	Kam	Maxwell	Olive
Sawyer	Shawn		

Decode:

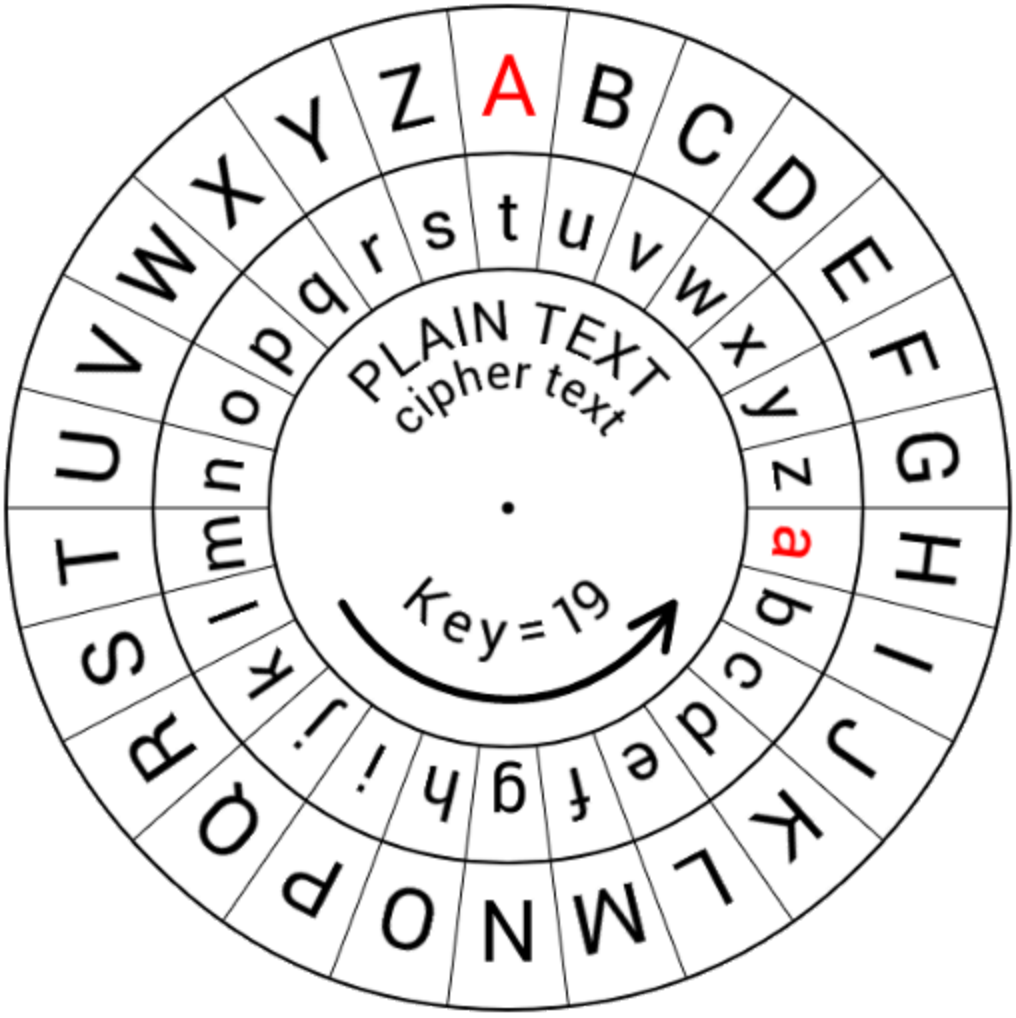
Using the Caesar Cipher wheel below decode the following words. (Inside wheel to outside wheel)

V H G Z K T W N E T M B H G L

_ _ _ _ _ _ _ _ _ _ _ _ _ _

R H N T K X V H H E

_ _ _ _ _ _ _ _ _ _



Decode:

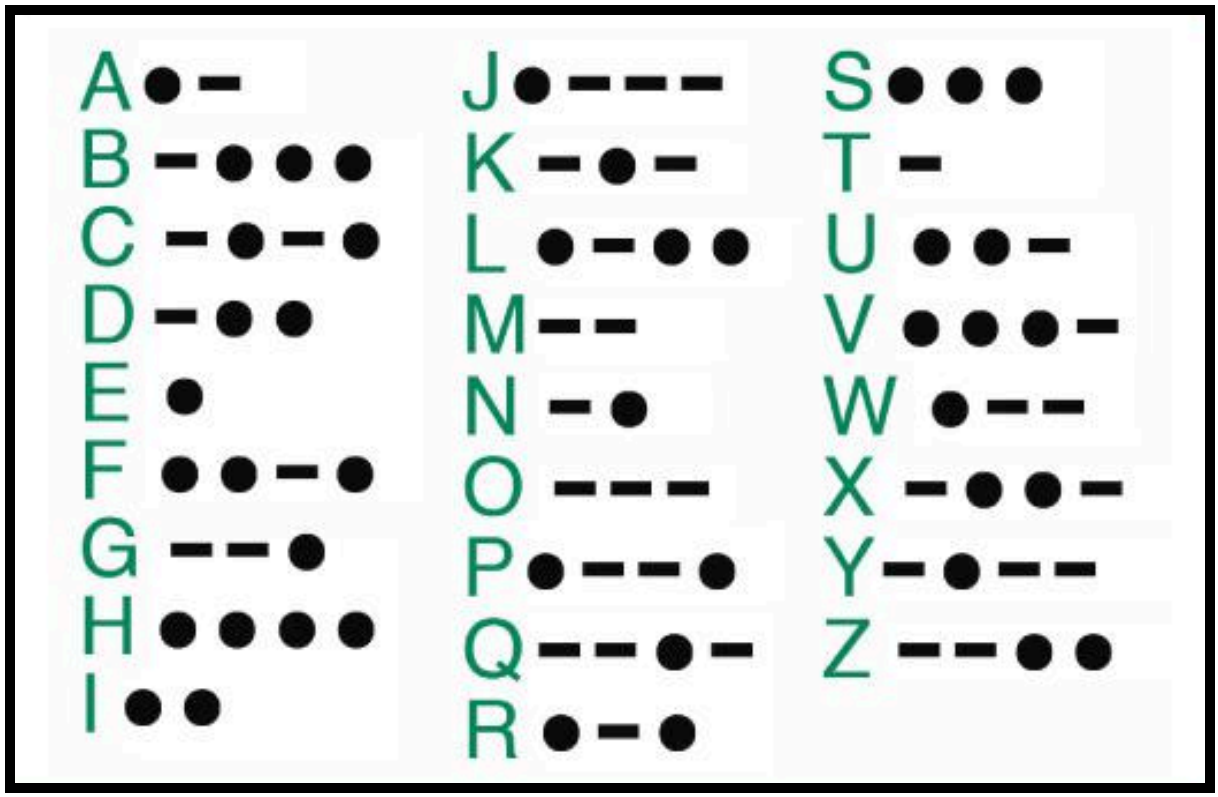
Using the morse code chart decode the following sequences.

_ • _ _ / • • / • • / • _

_ / _ / _ / _

• • • / • _ _ • / _ • _ _

_ / _ / _



Decode:

Using binary math and the letter chart, decode the following binary strings.

128s	64s	32s	16s	8s	4s	2s	1s
0	**1**	**0**	**0**	**0**	**1**	**1**	**0**
Number:_____							

128s	64s	32s	16s	8s	4s	2s	1s
0	**0**	**1**	**1**	**0**	**1**	**0**	**1**
Number:_____							

Binary Sequences								Letters
0	1	0	1	1	0	1	0	
0	1	0	0	1	0	0	1	
0	1	0	0	1	0	0	1	
0	1	0	0	0	0	0	1	

Binary Sequences								Letters
0	1	0	0	0	0	1	1	
0	1	0	0	1	1	1	1	
0	1	0	0	0	1	0	0	
0	1	0	0	0	1	0	1	

References

- Caesar Cipher wheel: https://www.amazon.co.uk/Nicolas-Berne-Caesar-Cipher-Wheel/dp/B013KR53SS
- https://deltatangodxgroup.com/2023/04/15/morse-code/ (morse code chart)