

Playfair

Cipher

A blue geometric pattern consisting of a series of parallel diagonal lines, forming a triangular shape at the bottom of the page.

Playfair Cipher

- **Playfair cipher** was the first practical digraph substitution cipher.
- In playfair cipher unlike traditional cipher we encrypt a **pair of alphabets** (digraphs) instead of a single alphabet.
- It is a **polygraphic** cipher and using **substitution** technique.

Playfair Cipher

Key

T E A C H E R

Plain Text

Y E L L O W

Y E L X L O W X

Plain Text/Pair

Y E L X L O W X

Cipher Text

5x5

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

Playfair Cipher



Key

T

E

A

C

H

E

R

Plain Text

Y

E

L

L

O

W

Plain Text/Pair

Y

E

L

X

L

O

W

X

Cipher Text

5x5

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

Thank you