

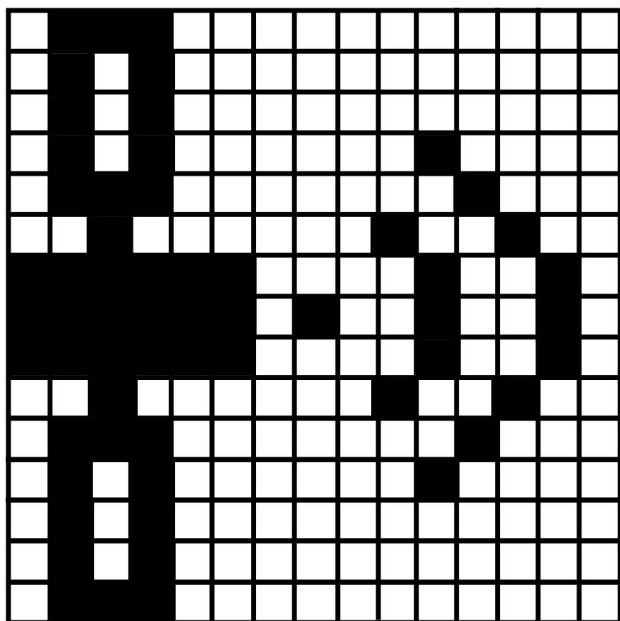
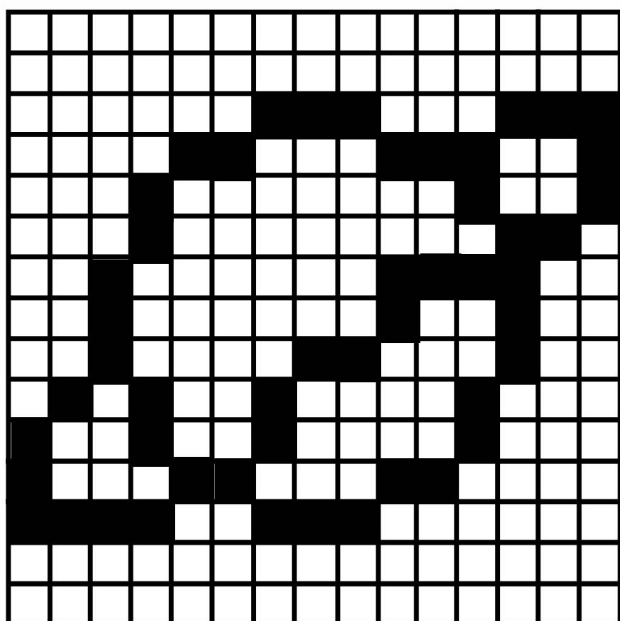


# QUANTUM CODE CRUNCHERS

## Binary Code Hacking Activity

**|| GRADES 3 - 6 ||** NASA aims to use quantum communications to safely send and receive space data. Particles known as quantum qubits securely transmit messages using combinations of “1” and “0” to represent the data as binary code.

**||INSTRUCTIONS||** Convert the image on the left into binary code on the right by matching up each line and writing “0” to represent a white pixel and “1” to represent a black pixel. The first three lines of binary code have been completed for you!



0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	1	1	0	0	0	1	1	1	

[illegible]

This image shows a full page of primary-ruled paper. It features approximately 20 horizontal dashed lines spaced evenly apart, providing a guide for handwriting practice. The lines are black and extend across the entire width of the page. There are no margins, text, or other markings present.