QUANTIME

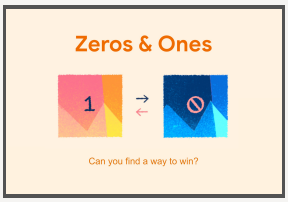
9+ CHOICE BOARD

QUBIT

The quantum version of a bit has more values that 1 or 0. Qubits can be in any combination of 1 and 0 (a superposition), which creates a richer, more powerful way to solve certain computational problems.

DO A HANDS-ON ACTIVITY

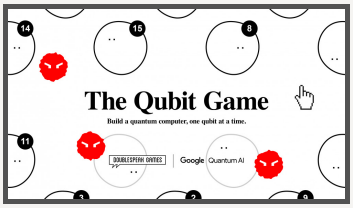
Explore the advantages of QIS in this quantum magic square game!



Link to teacher guide

PLAY A GAME

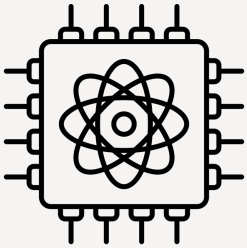
Build a quantum computer, one qubit at a time.



Link to game & teacher guide

LEARN ABOUT QUANTUM CIRCUITS

How does a quantum computer work?



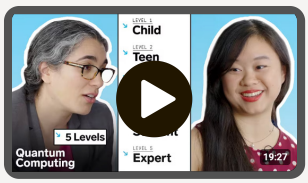
Create a secret quantum state before an opponent does.

Apply quantum gates to your qubit and build your quantum circuits in this printable game.

Link to teacher guide

WATCH A VIDEO

Hear a researcher explain quantum computing at 5 levels of difficulty.



Link to video (on YouTube)

TEACHER CORNER

Visit the Quantum Atlas to learn about qubits & how they are made.

Watch the Nova episode Decoding the Universe: Quantum

https://q12education.org/quantime/