Alice encodes a single byte of binary (256 possible states) information into a floating point number.

$$\theta \in [0, \pi)$$

A long lived, high fidelity entangled state is shared between Alice and Bob.

| Qubit | ← | → | Qubit |

Alice encodes her classical message Via a Z-rotation or X-rotation (randomly chosen) of her qubit by the angle, theta.

| Qubit | ← | → | Qubit |

Alice measures her Qubit in the corresponding basis to her rotation and obtains a Classical result

She transmits this result and her choice of measurement to Bob over a classical channel

Bob now has a single qubit of information that is encoded with the classical message, theta.

Qubit

Repeat N-times either sequentially or in parallel

Bob measures his qubit randomly and disregards all results where he did not choose to measure in the same way as Alice

With sufficient copies, Bob can Reconstruct theta with sufficient accuracy to Identify the original 8-bit message.