A century after Einstein’s revolutionary suggestion that light is composed of particles, the quantum information revolution seeks to use the almost magical properties of non-classical physics to enable new feats in information processing. The critical quantum resource is entanglement, which can now be produced at high rates with exquisite precision, enabling such feats as quantum cryptography and teleportation. I will describe some of these “miracles,” and our investigations into how the usual benefits can be further extended, by using more complex quantum states (e.g., “hyper-entanglement”), and by incorporating other elements of modern physics (e.g., special relativity). Time and appetites permitting, a brief lesson in quantum cooking may be forthcoming.