



# WHERE IS THE QUANTUM? SURPRISE - IT'S ALL AROUND YOU!

Did you know something as simple as toasting your bread is based on quantum? Over 100 years ago, Einstein wrote a paper on the statistics of photons. Isn't it time we taught our students how technology works in our current world and the available options for their future careers? Fluorescent lights, computers, cell phones, lasers, GPS atomic clocks, MRIs, telecommunications, light emitting diodes (LEDs), semiconductors, and superconducting magnets are based on quantum principles. Students routinely use Google but might be surprised to know that in 2019, Google announced it had achieved "quantum supremacy".

Do they know why that was newsworthy or if it's even true? Are students aware that Einstein predicted two particles can be physically linked despite being separated across distances (i.e. entanglement)?

These are a few ways students can become engaged in learning about quantum.

Join us and take a quantum trek into the future. Learn about the quantum connections to your STEM courses and experience the excitement of the future. To apply visit <https://quantumforall.org/quantum-opportunities/>

