Computer Science

Computer Science and **Educational Technology** are related, but how are they different?

Computer Science

Computer science is focused on understanding how and why computers work, the creation of new technologies, and the impact of these creations on society.

- Makes the use of computers possible.
- Driven innovation in every industry and field of study.
- Innovative approaches to many of our world's toughest challenges:
    - Decreasing automobile deaths, distributing medical vaccines.
    - Providing platforms for rural villagers to participate in larger economies, among others.

Focus on understanding computer technologies, why they work, and how to create those technologies.

VS

Educational Technology

Educational Technology involves the disciplined application of knowledge for the purpose of improving learning, instruction and/or performance.

- **Educational technology applies computer literacy to school subjects.**
    - **For example, an English class can use a web-based application to collaboratively create, edit, and store an essay online.**
    - **Digital learning tool that engages students.**
    - **Digital field trips, sister school projects from another country, online student portfolios.**

Focus on using computer technologies in an instructional setting to improve learning.