

TENNESSEE LAUNCHES

NATION-LEADING K-12 QUANTUM EDUCATION INITIATIVE

Preparing Students for the Jobs of Tomorrow



Inspiring
Curiosity.
Building Futures.
Strengthening
Tennessee.

TN QuantumWorks is a first-of-its-kind K-12 initiative introducing students to quantum technology and the careers it will create. The initiative will pilot in Hamilton County Schools before expanding across Tennessee.



A STATE-FIRST INITIATIVE

Supported by the Tennessee Department of Labor and Workforce Development, **TN QuantumWorks** is believed to be the nation's first comprehensive K-12 initiative focused on quantum technology and career awareness.



POWERFUL PARTNERSHIP

Led by the Chattanooga Quantum Collaborative (CQC), the initiative brings together Hamilton County Schools, UTC, EPB and state partners to build a seamless quantum education-to-workforce pipeline.



PREPARING FOR THE FUTURE

Quantum technologies are expected to create hundreds of billions in economic value across industries. TN QuantumWorks prepares Tennessee students to lead in this rapidly growing quantum economy.

QUANTUM LEARNING AT EVERY LEVEL



ELEMENTARY SCHOOL

Hands-on activities spark curiosity and introduce students to how quantum technology works differently than traditional computing.



MIDDLE SCHOOL

Students explore concepts like qubits, superposition and quantum phenomena through interactive lessons and real-world examples.



HIGH SCHOOL

Students investigate quantum applications, algorithms and careers, with advanced learners having opportunities to write quantum programs and interact with real quantum computers.



Through **EPB's** Quantum Center, select students gain **hands-on** experience with one of the nation's most advanced community quantum computing resources.

VOICES OF LEADERSHIP

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Preparing students for careers that don't yet fully exist requires visionary partnerships. TN QuantumWorks connects education directly to workforce development and positions Tennessee to compete in one of the world's fastest-growing technology sectors. The Department is excited to support an innovative project that builds Tennessee's future workforce.”



– **Commissioner Deniece Thomas**
Tennessee Department of Labor and Workforce Development

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Hamilton County is proud to become the proving ground for a model that can eventually serve students across Tennessee and beyond. Innovation starts with opportunity, and this initiative opens doors for every student. This initiative fits with the pathway efforts already underway through our Future Ready programs and the Franklin Roberts Technical School.”



– **Mayor Weston Wamp**
Hamilton County



TOGETHER, WE'RE BUILDING TENNESSEE'S QUANTUM FUTURE

A stronger education today. A stronger workforce tomorrow.

