Board of Education
Kate Noble, President
Sarah Boses , Vice-President
Carmen Gonzales, Secretary
Roman "Tiger" Abeyta, Member
Juan Blea, Member

Superintendent of Schools
Dr. Christine E.Griffin

RESOLUTION 2025/2026 -13

Quantum Computing Education

ESTABLISHING A COMMITMENT TO QUANTUM COMPUTING EDUCATION

WHEREAS, Governor Michelle Lujan Grisham has declared that "quantum computing may prove to be the most consequential technology of this century for national security and breakthrough innovations"; and

WHEREAS, in September 2025, Governor Lujan Grisham signed a landmark agreement with the Defense Advanced Research Projects Agency (DARPA) establishing the Quantum Frontier Project, a partnership with matching contributions of up to $120 million over four years to accelerate the development, testing, and validation of emerging quantum technologies; and

WHEREAS, the State of New Mexico has committed over $315 million to quantum computing initiatives, positioning the state to become a national leader in quantum information technology and economic development; and

WHEREAS, New Mexico has been designated as part of the federally funded Elevate Quantum Tech Hub, one of only twelve Tech Hubs selected nationwide, receiving $41 million from the U.S. Economic Development Administration to advance the region's quantum information technology sector; and

WHEREAS, Governor Lujan Grisham has stated her vision for New Mexico to be known as the "home of quantum computing," emphasizing the importance of workforce development and educational preparation for emerging quantum industries; and

WHEREAS, state leaders have identified the critical need for quantum workforce development, including specialized education programs, to support the growing quantum industry in New Mexico; and

WHEREAS, quantum computing represents a transformational technology with applications in cybersecurity, medicine, pharmaceuticals, national security, and numerous other fields that will shape the future of our students; and

WHEREAS, the state's investments in quantum technology infrastructure, including national laboratories, universities, and private sector partnerships, create unique educational and career opportunities for New Mexico students; and

WHEREAS, Central New Mexico Community College and other educational institutions have already begun providing specialized quantum computing education and workforce training; and

WHEREAS, preparing students for careers in quantum computing and related fields aligns with the Santa Fe Public Schools mission to provide relevant, forward-thinking education that prepares students for success in emerging industries;

NOW, THEREFORE, BE IT RESOLVED by the Santa Fe Public Schools Board of Education that:

SECTION 1: COMMITMENT TO QUANTUM EDUCATION

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The Board of Education hereby commits to developing and implementing educational programs and initiatives that introduce students to quantum information concepts and build foundational awareness and strengthen prerequisite STEAM competencies aligned with quantum-related fields.

SECTION 2: CURRICULUM

The Superintendent, in collaboration with community partners and district educators, shall:

1. Explore age-appropriate quantum computing curriculum materials for integration into existing science, technology, engineering, art, and mathematics (STEAM) courses;
2. Identify opportunities to introduce quantum concepts at elementary, middle, and high school levels through hands-on activities, demonstrations, and project-based learning;
3. Identify quantum information concepts that align with state standards and state workforce development goals for quantum technology;
4. Offer pathways for students to engage with quantum computing topics through specialized courses and/or extracurricular programs.

SECTION 3: PROFESSIONAL DEVELOPMENT

The district shall:

1. Provide professional development opportunities for teachers to learn about quantum computing fundamentals and effective pedagogical approaches for teaching these concepts;
2. Facilitate connections between district educators and quantum computing experts at New Mexico's universities, national laboratories, and private sector quantum companies;
3. Support teacher participation in quantum computing workshops, conferences, and training programs.

SECTION 4: PARTNERSHIPS AND RESOURCES

The district shall:

1. Seek partnerships with the University of New Mexico, New Mexico State University, and other institutions involved in quantum research and education;
2. Explore collaboration opportunities with Sandia National Laboratories, Los Alamos National Laboratory, and quantum companies operating in New Mexico;
3. Pursue grant funding and other resources to support quantum education initiatives;
4. Identify future mentorship, internship, and educational opportunities in the quantum sector.

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SECTION 5: STUDENT EXPOSURE AND ENGAGEMENT

The district shall:

1. Implement opportunities for students to learn about quantum computing careers and the growing quantum industry in New Mexico;

2. Facilitate guest speakers, field trips, and virtual presentations from quantum computing professionals;

3. Encourage student participation in quantum-related competitions, clubs, and extracurricular activities;

4. Highlight quantum computing pathways as part of college and career readiness programs.

5. Provide comprehensive math support for students and math professional learning for teachers.

SECTION 6: EQUITY AND ACCESS

The Board affirms its commitment to ensuring that quantum computing education opportunities are accessible to all students, regardless of background, with particular attention to:

1. Providing resources and support to underrepresented groups in STEAM fields;

2. Ensuring equitable access to quantum education programs across all schools in the district;

3. Removing barriers to participation in advanced quantum computing learning opportunities.

SECTION 7: IMPLEMENTATION TIMELINE

The district shall identify members of a task force that shall present an implementation plan for quantum computing education initiatives to the Board within six months of the adoption of this resolution, including:

1. Specific curriculum proposals and grade-level integration strategies;

2. Professional development plans for teachers;

3. Identified partnership opportunities;

4. Budget considerations and potential funding sources;

5. Timeline for phased implementation;

6. Metrics for measuring program success.

SECTION 8: PROGRESS REPORTING

The task force shall provide annual reports to the Board on the progress of quantum computing education initiatives, including student participation, teacher training, partnership development, and student outcomes.

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PASSED, APPROVED, AND ADOPTED this 26th day of May, 2026.

Kate I. Noble, Board of Education President

Dr. Carmen Gonzales, Board of Education Secretary