

119TH CONGRESS
1ST SESSION

S. RES. _____

Recognizing April 14, 2025, as “World Quantum Day”, and commemorating and supporting the goals of World Quantum Day.

IN THE SENATE OF THE UNITED STATES

Mr. YOUNG (for himself, Ms. HASSAN, and Ms. CANTWELL) submitted the following resolution; which was referred to the Committee on

RESOLUTION

Recognizing April 14, 2025, as “World Quantum Day”, and commemorating and supporting the goals of World Quantum Day.

Whereas quantum physics describes nature at the scale of atoms and subatomic particles;

Whereas “World Quantum Day” is celebrated by scientists in more than 70 countries to promote public understanding of quantum science and technology around the world;

Whereas the United States has recognized quantum information science, engineering, and technology as a key technology area for economic competition;

Whereas quantum information science, engineering, and technology can solve problems that current technologies and computing methods cannot;

Whereas quantum physics helps us to understand and develop technologies critical to everyday life, such as GPS, semiconductors, and lasers;

Whereas quantum information science, engineering, and technology may be able to make transformative breakthroughs in fields as varied as logistics, material sciences, and life sciences;

Whereas quantum information science is a multidisciplinary field, bridging science, technology, engineering, and mathematics (referred to in this preamble as “STEM”);

Whereas STEM is a critical part of education for children, and aptitude in STEM is essential for a knowledge-based society and for economic competition;

Whereas the United States needs to reinforce STEM education for all students in order to better prepare children for future careers in emerging technologies, including quantum, to succeed in a 21st-century economy;

Whereas STEM can be a fun and interesting part of education for children, and learning about quantum principles of superposition and entanglement can be an engaging way to teach children and attract children to study STEM;

Whereas 2025 marks 100 years since the inception of quantum mechanics, and the United Nations has proclaimed 2025 as the “International Year of Quantum Science and Technology”;

Whereas the Planck constant is a fundamental constant governing quantum physics, which is used to define universal measurements such as the kilogram; and

Whereas the rounded first significant digits of the Planck constant are 4.14, and thus April 14 of each year is

internationally recognized as “World Quantum Day”:
Now, therefore, be it

1 *Resolved*, That the Senate—

2 (1) recognizes April 14, 2025, as “World Quan-
3 tum Day”;

4 (2) supports the goals of World Quantum Day
5 to recognize and celebrate the role that quantum
6 physics plays in our daily lives; and

7 (3) encourages schools and educators to observe
8 World Quantum Day with appropriate activities that
9 teach students about quantum physics and engage
10 students in the study of science, technology, engi-
11 neering, and mathematics.