COMMITTEE ON

SCIENCE, SPACE, & TECHNOLOGY

REPUBLICANS

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Securing American Leadership in Science and Technology Act

Challenges to American Science & Technology Leadership

- America has long been the global leader in science and technology.
- To maintain our leadership and expand our economy, improve our quality of life, and provide strong national security, we need to address two fundamental challenges:

1. The Chinese Communist Party is strategically working to overtake the U.S. in science and technology. Communist leadership in China is pursuing aggressive investment in R&D, along with a strategy of promoting foreign acquisitions, forced technology transfer agreements, and, in many cases, commercial cyber espionage to gain cutting-edge technologies and know-how. The goal is to surpass the U.S. and become the world leader in critical technologies like quantum information science, artificial intelligence, and advanced manufacturing.

2. Our climate is changing, and we need to adapt and develop next-generation technologies to understand it, address it, and mitigate it without drastically raising prices and harming our economy. The simple truth is this: America's clean energy future will be driven by innovation—not by mandates. While other countries struggle to meet emissions goals, our emissions have been steadily decreasing which is a direct result of new technologies developed from basic research. We can promote conservative solutions to climate change by incentivizing innovation so we can produce and export clean and affordable technology, ensuring the U.S. remains the global leader in energy.

A Strategy to Ensure American Competitiveness

The Securing American Leadership in Science and Technology Act creates a long-term strategy for investment in basic research and infrastructure to protect the economic and national security of the United States.

- Doubles basic research over 10 years.
- Invests in the science and technology to drive the development of cleaner, more efficient, low cost, advanced energy like advanced nuclear, battery storage, and carbon capture technologies.
- Prioritizes critical research areas to establish global leadership in industries of the future like quantum science, artificial intelligence, supercomputing, advanced materials and manufacturing, and cybersecurity.
- Expands our STEM workforce and enhance the American talent pipeline.
- Invests in the infrastructure needed to maintain world-class research facilities.
- Protects American research from foreign theft.