



# National Science Foundation for the Future Act



COMMITTEE ON  
SCIENCE, SPACE,  
AND TECHNOLOGY  
*Republicans*

Communist leadership in China is committed to overtaking the U.S. in emerging technologies like AI, cybersecurity, advanced manufacturing, and quantum sciences. They've already begun investing more than us in research and development. Meanwhile, our research investments have declined, threatening our economic growth and national security. **H.R. 2225, the National Science Foundation for the Future Act**, doubles down on research funding over the next 5 years, investing \$72.6 billion to keep America at the cutting edge of science and technology development.

## NSF For the Future Act:

### Overview

#### Doubles Basic Research Funding Over 5 Years

Provides a responsible and sustainable scale-up in funding at NSF, building on the success of its core mission of basic research to push the boundaries of our scientific knowledge.

#### Translates Lab Discoveries to Commercial Technologies

Creates a new Directorate for Science and Engineering Solutions (SES) designed to improve how we apply discoveries in the lab to solving national challenges from cybersecurity to climate change.

#### Develops our STEM Workforce

Improves our efforts to develop the next generation of scientists and engineers through STEM education and training.

#### Protects Research from Foreign Theft

Combats security threats that undermine the integrity of federally-funded research and helps prevent our discoveries from being stolen and used by our foreign adversaries.

#### Prioritizes Industries of the Future

Strategically focuses funding on the emerging technologies that will drive global competitiveness like quantum sciences, artificial intelligence, cybersecurity, and advanced manufacturing.

## American Research at a Crossroads

America's long history as the global leader in science and technology is being threatened. The Chinese Communist Party has likely surpassed us in total R&D spending already.

The Chinese Community Party has been working to steal – literally and figuratively – the U.S. playbook for innovation for years.

Investments in science and technology drive economic growth – as much as 85% of America's long-term economic growth is due to advances in science and technology.

The NSF For the Future Act invests in the basic research needed to strengthen our economy and maintain our global leadership in science and technology.

## NSF: Driving American Research

The National Science Foundation funds more than 25% of the total federal budget for basic research at U.S. colleges and universities. With an annual budget of \$8.5 billion, NSF's primary mission is supporting basic research at the frontiers of discovery. This high-risk, high reward research is intended to further our scientific knowledge, which can later be applied to specific applications. NSF also funds major research infrastructure and invests in STEM education to develop and grow our American STEM talent pipeline.