



# Global Competitiveness in Science and Technology



COMMITTEE ON  
SCIENCE, SPACE,  
AND TECHNOLOGY  
*Republicans*

The House Science Committee has passed 12 bipartisan bills to strengthen American competitiveness, address the threat from the Chinese Communist Party, and secure our leadership in science and technology.

## H.R. 2225 – the NSF for the Future Act

- Doubles basic research funding at the National Science Foundation, investing \$78 billion over 5 years
- Builds our domestic STEM workforce.
- Creates a new directorate focused on science and engineering solutions.
- Improves how we apply discoveries in the lab to solving national challenges from cybersecurity to climate change.

## H.R. 3593 – the DOE Science for the Future Act

- Invests \$50 billion over 5 years in the Department of Energy Office of Science
- Prioritizes basic research and Office of Science missions including the National Labs
- Provides a roadmap for DOE's research and development work.
- Supports research on materials and chemical science, bioscience, climate science, fusion energy, scientific computing, and high energy and nuclear physics.

## H.R. 4609 – the NIST for the Future Act

- Invests \$7 billion over 5 years at the National Institute of Standards and Technology
- Supports competitive emerging tech like cybersecurity, quantum sciences, AI, and advanced manufacturing.
- Increases support for American businesses through the Manufacturing Extension Partnership (MEP) and Manufacturing USA
- Prioritizes our participation and leadership in international standards-setting bodies.

## H.R. 3858 – the National Science and Technology Strategy Act

Creates a national science and technology strategy and a whole-of government planning process for research and development.

## H.R. 4588 – the Regional Innovation Act

Establishes innovation hubs across the country, ensuring technological development isn't limited solely to the coasts.

## H.R. 4606 – the Energizing Technology Transfer Act

Helps turn the discoveries we make from basic research into useful technologies that the private sector can commercialize.

## H.R. 210 – the Rural STEM Education Research Act

Ensures students in rural communities have the resources they need to receive quality STEM education.

## H.R. 204 – the STEM Opportunities Act

Helps identify and reduce barriers that prevent underrepresented groups from entering and advancing in STEM fields, ensuring the U.S. has a strong and diverse STEM workforce.

## H.R. 2027 – the MSI STEM Achievement Act

Builds STEM education and research capacity at minority serving institutions (MSIs).

## H.R. 144 – the Supporting Early-Career Researchers Act

Creates fellowships for early-career researchers whose employment opportunities have been impacted by COVID-19, keeping talented researchers in the STEM pipeline.

## H.R. 6291 – the MICRO Act

Directs cross-cutting research, development, and demonstration programs at DOE on microelectronics to accelerate global competitiveness in this critical technology.

## H.R. 4521 – the Bioeconomy Research and Development Act

Creates a coordinated Federal research initiative to ensure continued U.S. leadership in engineering biology.