

Democratic Provisions in Substitute Amendment for H.R. 5358

SEC. 2. Findings. **Rep. Gordon** (TN) added Findings section to provide a statement pointing out that NSF has made significant contributions to K-12 and undergraduate STEM education and reasserting NSF's role in support of research and education.

SEC. 3. Robert Noyce Teacher Scholarship Program.

- Incorporates key aspects of title I of H.R. 4434 to recast the two-year Noyce scholarship program, established by the NSF Authorization Act of 2002, as a grant program for institutions of higher education to develop four-year education programs to prepare science, math and engineering students to become certified as STEM teachers. The new program requires science faculty and education faculty to develop the pedagogy courses, authorizes expert teachers to be part of the program, requires early teaching experiences, provides summer internships for students in their first two years in the program, and retains the current scholarships, increased to at least \$10,000 per year, for students in the final two years of the program. The requirements are strengthened for awardees to provide mentoring and support to teachers during the period of their service commitment.
- **Gordon** successfully proposed maintaining growth in funding for the program beyond the first three years in H.R. 5358, as introduced, to place the program on a trajectory to reach \$230M by FY 2016 (the target year for achieving budget doubling for NSF), a funding level that would graduate approximately 10,000 new teachers per year and meet the Augustine report's goal.

SEC. 4. School and University Partnerships for Science and Mathematics Education.

- As in H.R. 4434, adds language to enhance teacher professional development activities under the section of the 2002 NSF Authorization Act that established the Math and Science Partnership program, rather than restructuring it solely as a teacher professional development program as in H.R. 5358, as introduced.
- Adds the master's degree program for in-service science and math teachers from H.R. 4434.
- Adds authorization of activities for training teachers to teach Advanced Placement courses as included in H.R. 4434.
- **Rep. Baird** (WA) added a provision to encourage partnerships providing AP training for teachers to encourage and coordinate mentoring for teachers and students by STEM professionals.
- **Rep. Green** (NY) added a provision to provide for after-school programs and summer science camps for female and minority students and for students with disabilities.

- **Rep. Honda** (CA) added a provision to support development and dissemination of curriculum tools for fostering inventiveness and innovation.
- **Gordon** successfully proposed increasing the authorization of funding by \$165 million over 5 years above the level in H.R. 5358, as introduced.

SEC. 5. Science, Technology, Engineering, and Mathematics Talent Expansion Program.

- **Rep. Udall** (CO) added a provision to ensure the Centers for Undergraduate Education include activities to assess the improvement of student academic achievement resulting from changes to undergraduate curriculum and modifications to teaching methods for undergraduate courses.