

109TH CONGRESS  
1ST SESSION

# H. R. 4434

To authorize science scholarships for educating mathematics and science teachers, and for other purposes.

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## IN THE HOUSE OF REPRESENTATIVES

DECEMBER 6, 2005

Mr. GORDON (for himself, Ms. PELOSI, Mr. HONDA, Mr. EMANUEL, Mr. INSLEE, Mr. LIPINSKI, Ms. ZOE LOFGREN of California, Mr. BAIRD, Mr. COSTELLO, Mr. MENENDEZ, Mr. GEORGE MILLER of California, Mr. PRICE of North Carolina, Mr. MILLER of North Carolina, Mr. TIERNEY, Mr. COSTA, Mr. DAVIS of Tennessee, Mr. CARNAHAN, Mr. MOORE of Kansas, Ms. ESHOO, Mr. SMITH of Washington, and Mr. UDALL of Colorado) introduced the following bill; which was referred to the Committee on Science

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## A BILL

To authorize science scholarships for educating mathematics and science teachers, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. TABLE OF CONTENTS.**

4 The table of contents for this Act is as follows:

- Sec. 1. Table of contents.
- Sec. 2. Definitions.

### TITLE I—SCIENCE SCHOLARSHIPS

- Sec. 101. Short title.
- Sec. 102. Findings.

- Sec. 103. Policy objective.  
 Sec. 104. Science scholarship program.  
 Sec. 105. Science and Math Scholarship Trust Fund.  
 Sec. 106. Authorization of appropriations.

TITLE II—SCIENCE AND MATH TEACHER PROGRAMS

- Sec. 201. Summer institutes.  
 Sec. 202. Graduate degree program.  
 Sec. 203. Advanced placement preparation.  
 Sec. 204. Curricular materials.

1 **SEC. 2. DEFINITIONS.**

2 In this Act:

3 (1) The term “cost of attendance” has the  
 4 meaning given that term in section 472 of the High-  
 5 er Education Act of 1965 (20 U.S.C. 1087ll).

6 (2) The term “Director” means the Director of  
 7 the National Science Foundation.

8 (3) The term “high-need local educational agen-  
 9 cy” means a local educational agency that meets one  
 10 or more of the following criteria:

11 (A) It has at least one school in which 50  
 12 percent or more of the enrolled students are eli-  
 13 gible for participation in the free and reduced  
 14 price lunch program established by the Richard  
 15 B. Russell National School Lunch Act (42  
 16 U.S.C. 1751 et seq.).

17 (B) It has at least one school in which  
 18 more than 34 percent of the academic class-  
 19 room teachers at the secondary level who teach  
 20 science and mathematics do not have an under-

1 graduate degree with a major or minor in, or  
2 a graduate degree in, the academic field in  
3 which they teach the largest percentage of their  
4 classes.

5 (4) The term “institution of higher education”  
6 has the meaning given that term in section 101(a)  
7 of the Higher Education Act of 1965 (20 U.S.C.  
8 1001(a)).

9 (5) The term “mathematics and science teach-  
10 er” means a mathematics, science, or technology  
11 teacher at the elementary school or secondary school  
12 level.

13 (6) The term “scholarship” means an award  
14 under section 104.

## 15 **TITLE I—SCIENCE**

### 16 **SCHOLARSHIPS**

#### 17 **SEC. 101. SHORT TITLE.**

18 This title may be cited as the “10,000 Teachers, 10  
19 Million Minds Science and Math Scholarship Act”.

#### 20 **SEC. 102. FINDINGS.**

21 Congress finds the following:

22 (1) The prosperity the United States enjoys  
23 today is due in no small part to investments the Na-  
24 tion has made in research and development over the  
25 past 50 years.

1           (2) Corporate, government, and national sci-  
2           entific and technical leaders have raised concerns  
3           that current trends affecting the science and tech-  
4           nology enterprise of the Nation could result in ero-  
5           sion of this past success and jeopardize future pros-  
6           perity.

7           (3) The National Academy of Sciences, the Na-  
8           tional Academy of Engineering, and the Institute of  
9           Medicine were tasked in a congressional request to  
10          recommend actions that the Federal Government  
11          could take to enhance the science and technology en-  
12          terprise so the United States can successfully com-  
13          pete, prosper, and be secure in the global community  
14          of the 21st century.

15          (4) The Academies' highest priority rec-  
16          ommendation in its report, "Rising Above the Gath-  
17          ering Storm: Energizing and Employing America for  
18          a Brighter Economic Future", is to improve K-12  
19          science and mathematics education, and the Acad-  
20          emies' first recommended action item is to institute  
21          a major scholarship program to recruit and educate  
22          annually 10,000 mathematics and science teachers.

23 **SEC. 103. POLICY OBJECTIVE.**

24          In allocating the resources made available under sec-  
25          tion 106, the National Science Foundation shall seek to

1 increase by up to 10,000 per year the number of elemen-  
2 tary and secondary mathematics and science teachers in  
3 the Nation's schools having both exemplary subject knowl-  
4 edge and pedagogical skills.

5 **SEC. 104. SCIENCE SCHOLARSHIP PROGRAM.**

6 (a) PROGRAM.—

7 (1) IN GENERAL.—The Director shall carry out  
8 a program to award grants to eligible institutions of  
9 higher education (or consortia of such institutions)  
10 to provide scholarships and to develop and imple-  
11 ment academic programs designed to recruit and  
12 educate mathematics and science teachers.

13 (2) DISTRIBUTION OF AWARDS.—The Director  
14 shall, in awarding grants under this section, consider  
15 the distribution of awards among institutions of dif-  
16 ferent sizes and geographic locations.

17 (3) MERIT REVIEW.—Grants shall be provided  
18 under this section on a competitive, merit-reviewed  
19 basis.

20 (4) USE OF GRANTS.—Grants provided under  
21 this section shall be used by eligible institutions of  
22 higher education or consortia to develop and imple-  
23 ment a program to encourage and prepare under-  
24 graduate students majoring in mathematics, science,

1 and engineering at the grantee's institution to be-  
2 come mathematics and science teachers, through—

3 (A) administering scholarships in accord-  
4 ance with subsection (c);

5 (B) developing and offering undergraduate  
6 academic degree programs in one or more fields  
7 of science, mathematics, and engineering that  
8 will also prepare graduates to become certified  
9 and licensed to teach in elementary schools and  
10 secondary schools; and

11 (C) providing professional development  
12 programs and mentoring activities to scholar-  
13 ship recipients, both before and after they re-  
14 ceive their baccalaureate degree, to enable the  
15 recipients to become better mathematics and  
16 science teachers, to fulfill the service require-  
17 ments of this section, and to exchange ideas  
18 with others in their fields.

19 (5) ELIGIBLE INSTITUTION OF HIGHER EDU-  
20 CATION.—For purposes of this section, an eligible  
21 institution of higher education under paragraph (1)  
22 is an institution of higher education (or consortia of  
23 such institutions) that—

24 (A) in its application for a grant under the  
25 program, identifies faculty from the institu-

1           tion’s mathematics, science, or engineering de-  
2           partments and from its college or school of edu-  
3           cation who will participate in the development  
4           and implementation of the program; and

5           (B) has entered into a partnership with  
6           one or more private sector entities, which—

7                   (i) pledge to provide paid summer in-  
8                   ternships for scholarship recipients; and

9                   (ii) may make other financial or in-  
10                  kind contributions to provide additional  
11                  scholarship support and to assist in the de-  
12                  velopment of the program.

13           (6) MENTORING.—Grantees shall include  
14           among the activities under paragraph (4)(C) men-  
15           toring for individuals carrying out their service obli-  
16           gation in accordance with subsection (c)(5). Such  
17           mentoring shall be provided through regularly sched-  
18           uled activities during the school year and through  
19           summer institutes at the grantees’ institutions.  
20           Summer institutes may also enroll mathematics and  
21           science teachers who have not received scholarships  
22           under the program.

23           (b) SELECTION PROCESS.—

24           (1) APPLICATION.—An eligible institution of  
25           higher education or consortium seeking funding

1 under this section shall submit an application to the  
2 Director at such time, in such manner, and con-  
3 taining such information as the Director may re-  
4 quire. The application shall include, at a minimum—

5 (A) a description of the scholarship pro-  
6 gram that the applicant intends to operate, in-  
7 cluding the number of scholarships and the  
8 scholarship amount the applicant intends to  
9 award, and the selection process that will be  
10 used in awarding the scholarships;

11 (B) evidence that the applicant has the ca-  
12 pability to administer the scholarship program  
13 in accordance with the provisions of this sec-  
14 tion;

15 (C) a description of the academic program  
16 or programs that will be offered to scholarship  
17 recipients, and identification of the faculty that  
18 will be involved;

19 (D) a description of the professional devel-  
20 opment and mentoring activities that will be  
21 provided to scholarship recipients during and  
22 after their matriculation in the program for  
23 which the scholarship is received; and

24 (E) evidence that the requirement of sub-  
25 section (a)(4)(B) has been satisfied, including a



1 description of the characteristics and the total  
2 number of internships that will be made avail-  
3 able.

4 (2) REVIEW OF APPLICATIONS.—In evaluating  
5 the applications submitted under paragraph (1), the  
6 Director shall consider, at a minimum—

7 (A) the ability of the applicant to effec-  
8 tively carry out the program;

9 (B) the degree and quality of interdepart-  
10 mental faculty involvement to which the appli-  
11 cant is committed;

12 (C) the degree to which the proposed aca-  
13 demic program, or programs, and associated  
14 student support activities will enable scholar-  
15 ship recipients to become successful mathe-  
16 matics and science teachers;

17 (D) the number and quality of the stu-  
18 dents that will be served by the program;

19 (E) the ability of the applicant to recruit  
20 students who would otherwise not pursue a ca-  
21 reer in teaching; and

22 (F) the extent to which the applicant has  
23 demonstrated the active participation and fi-  
24 nancial support of private sector entities, in-

1 including the number and characteristics of sum-  
2 mer internships offered.

3 (3) SPECIAL AWARD CRITERIA.—Criteria for an  
4 award under this section shall include the impact of  
5 an award on the overall geographic distribution of  
6 awards made under the program, with the objective  
7 of avoiding undue concentration of awards.

8 (c) SCHOLARSHIP REQUIREMENTS.—

9 (1) IN GENERAL.—Scholarships under this sec-  
10 tion shall be available only to undergraduate stu-  
11 dents who are majoring in science, mathematics, or  
12 engineering.

13 (2) SELECTION.—Individuals shall be selected  
14 to receive scholarships primarily on the basis of aca-  
15 demic merit, with consideration given to financial  
16 need and to the goal of promoting the participation  
17 of individuals identified in section 33 or 34 of the  
18 Science and Engineering Equal Opportunities Act  
19 (42 U.S.C. 1885a or 1885b).

20 (3) AMOUNT.—The amount to be awarded for  
21 a scholarship under this section shall not exceed  
22 \$20,000 per year, except that no individual shall re-  
23 ceive for any year more than the cost of attendance  
24 at that individual's institution. Individuals may re-  
25 ceive a maximum of 4 years of scholarship support.

1           (4) ACADEMIC PERFORMANCE.—Scholarships  
2 shall be terminated for individuals who fail to main-  
3 tain an acceptable level of academic standing in the  
4 educational institution in which the individual is en-  
5 rolled, as determined by the Director.

6           (5) SERVICE OBLIGATION.—If an individual re-  
7 ceives a scholarship, that individual shall be required  
8 to complete, within 6 years after graduation from  
9 the baccalaureate degree program for which the  
10 scholarship was awarded, the following number of  
11 years of service as a mathematics or science teach-  
12 er—

13                   (A) 5 years of service for scholarship re-  
14 cipients receiving 3 or 4 years of scholarship  
15 support; or

16                   (B) 3 years of service for scholarship re-  
17 cipients receiving 1 or 2 years of scholarship  
18 support.

19           (6) EXCEPTION.—The period of service obliga-  
20 tion under paragraph (5) is reduced by 1 year for  
21 scholarship recipients who teach in a high-need local  
22 educational agency.

23           (d) CONDITIONS OF SUPPORT.—As a condition of ac-  
24 ceptance of a scholarship under this section, a recipient

1 shall enter into an agreement with the institution of higher  
2 education—

3 (1) accepting the terms of the scholarship pur-  
4 suant to subsections (c) and (f);

5 (2) agreeing to provide the awarding institution  
6 of higher education with annual certification of em-  
7 ployment and up to-date contact information and to  
8 participate in surveys provided by the institution of  
9 higher education as part of an ongoing assessment  
10 program; and

11 (3) establishing that any scholarship recipient  
12 shall be liable to the United States for any amount  
13 that is required to be repaid in accordance with sub-  
14 section (f).

15 (e) COLLECTION FOR NONCOMPLIANCE.—

16 (1) MONITORING COMPLIANCE.—An eligible in-  
17 stitution of higher education (or consortium thereof)  
18 receiving a grant under this section shall, as a condi-  
19 tion of participating in the program, enter into an  
20 agreement with the Director to monitor the compli-  
21 ance of scholarship recipients with their respective  
22 service requirements.

23 (2) COLLECTION OF REPAYMENT.—(A) In the  
24 event that a scholarship recipient is required to  
25 repay the scholarship under subsection (f), the insti-

1       tution shall be responsible for collecting the repay-  
2       ment amounts.

3               (B) Except as provided in subparagraph (C),  
4       any such repayment shall be returned to the Treas-  
5       ury of the United States.

6               (C) A grantee may retain a percentage of any  
7       repayment it collects to defray administrative costs  
8       associated with the collection. The Director shall es-  
9       tablish a single, fixed percentage that will apply to  
10      all grantees.

11      (f) FAILURE TO COMPLETE SERVICE OBLIGATION.—

12               (1) GENERAL RULE.—If an individual who has  
13      received a scholarship under this section—

14                       (A) withdraws from the baccalaureate de-  
15                       gree program for which the award was made  
16                       before the completion of such program;

17                       (B) declares that the individual does not  
18                       intend to fulfill the service obligation under this  
19                       section; or

20                       (C) fails to fulfill the service obligation of  
21                       the individual under this section,  
22      such individual shall be liable to the United States  
23      as provided in paragraph (2).

24               (2) AMOUNT OF REPAYMENT.—(A) If a cir-  
25      cumstance described in paragraph (1) occurs before

1 the completion of one year of a service obligation  
2 under this section, the United States shall be enti-  
3 tled to recover from the individual, within one year  
4 after the date of the occurrence of such cir-  
5 cumstance, an amount equal to—

6 (i) the total amount of awards received by  
7 such individual under this section; plus

8 (ii) the interest on the amounts of such  
9 awards which would be payable if at the time  
10 the awards were received they were loans bear-  
11 ing interest at the prevailing rate for student  
12 loans.

13 (B) If a circumstance described in paragraph  
14 (1)(B) or (C) occurs—

15 (i) after the completion of one year of a  
16 service obligation under this section and for an  
17 individual who received either 3 or 4 years of  
18 scholarship support, the United States shall be  
19 entitled to recover from the individual, within  
20 one year after the date of the occurrence of  
21 such circumstance, an amount equal to the total  
22 amount of awards received by such individual  
23 under this section minus  $\frac{1}{5}$  of the amount of  
24 the award received per year for each full year  
25 of service completed, plus the interest on such

1 amounts which would be payable if at the time  
2 the amounts were received they were loans  
3 bearing interest at the prevailing rate for stu-  
4 dent loans; or

5 (ii) after the completion of one year of a  
6 service obligation under this section and for an  
7 individual who received either 1 or 2 years of  
8 scholarship support, the United States shall be  
9 entitled to recover from the individual, within  
10 one year after the date of the occurrence of  
11 such circumstance, an amount equal to the total  
12 amount of awards received by such individual  
13 under this section minus  $\frac{1}{3}$  of the amount of  
14 the award received per year for each full year  
15 of service completed, plus the interest on such  
16 amounts which would be payable if at the time  
17 the amounts were received they were loans  
18 bearing interest at the prevailing rate for stu-  
19 dent loans.

20 (3) EXCEPTIONS.—The Director may provide  
21 for the partial or total waiver or suspension of any  
22 service or payment obligation by an individual under  
23 this section whenever compliance by the individual  
24 with the obligation is impossible or would involve ex-  
25 treme hardship to the individual, or if enforcement

1 of such obligation with respect to the individual  
2 would be unconscionable.

3 (g) DATA COLLECTION.—Institutions or consortia re-  
4 ceiving grants under this section shall supply to the Direc-  
5 tor any relevant statistical and demographic data on schol-  
6 arship recipients the Director may request, including in-  
7 formation on employment required by subsection (c)(5).

8 **SEC. 105. SCIENCE AND MATH SCHOLARSHIP TRUST FUND.**

9 (a) ESTABLISHMENT.—There is established in the  
10 Treasury of the United States a trust fund to be known  
11 as the “National Science Foundation Science and Math  
12 Teacher Scholarship Trust Fund” (hereafter in this sec-  
13 tion referred to as the “Trust Fund”). The Trust Fund  
14 shall consist of gifts and donations accepted by the Na-  
15 tional Science Foundation.

16 (b) INVESTMENT OF TRUST FUND.—The Director  
17 shall direct the Secretary of the Treasury to invest and  
18 reinvest funds in the Trust Fund in public debt securities  
19 with maturities suitable for the needs of the Trust Fund,  
20 and bearing interest at rates determined by the Secretary  
21 of the Treasury, taking into consideration the current av-  
22 erage market yield on outstanding marketable obligations  
23 of the United States of comparable maturities. Interest  
24 earned shall be credited to the Trust Fund.



1 (c) PURPOSE.—Principal and income accruing from  
2 the Trust Fund principal shall be used to contribute to  
3 the funding of scholarships awarded pursuant to section  
4 104, to the extent provided in advance in appropriation  
5 Acts.

6 **SEC. 106. AUTHORIZATION OF APPROPRIATIONS.**

7 There are authorized to be appropriated to the Na-  
8 tional Science Foundation for the purposes of this title,  
9 \$85,000,000 for fiscal year 2007, \$220,000,000 for fiscal  
10 year 2008, \$400,000,000 for fiscal year 2009,  
11 \$590,000,000 for fiscal year 2010, and \$690,000,000 for  
12 fiscal year 2011.

13 **TITLE II—SCIENCE AND MATH**  
14 **TEACHER PROGRAMS**

15 **SEC. 201. SUMMER INSTITUTES.**

16 (a) NATIONAL SCIENCE FOUNDATION INSTITUTES.—

17 (1) IN GENERAL.—The Director shall increase  
18 the number of awards under the Teacher Institutes  
19 for the 21st Century program and shall expand the  
20 program to allow grantees to operate 1 to 2 week  
21 summer teacher institutes with the goal of reaching  
22 the maximum number of in-service science and  
23 mathematics teachers, particularly elementary and  
24 middle school teachers, to improve their content  
25 knowledge and pedagogical skills.

1           (2) AUTHORIZATION OF APPROPRIATIONS.—

2           There are authorized to be appropriated to the Na-  
3           tional Science Foundation for the Teacher Institutes  
4           for the 21st Century program, \$37,000,000 for fis-  
5           cal year 2007, \$92,000,000 for fiscal year 2008,  
6           \$110,000,000 for fiscal year 2009, \$110,000,000 for  
7           fiscal year 2010, and \$110,000,000 for fiscal year  
8           2011.

9           (b) LABORATORY SCIENCE TEACHER PROFESSIONAL  
10          DEVELOPMENT.—There are authorized to be appropriated  
11          to the Department of Energy for the Laboratory Science  
12          Teacher Professional Development program, \$3,000,000  
13          for fiscal year 2007, \$8,000,000 for fiscal year 2008,  
14          \$10,000,000 for fiscal year 2009, \$10,000,000 for fiscal  
15          year 2010, and \$10,000,000 for fiscal year 2011.

16          **SEC. 202. GRADUATE DEGREE PROGRAM.**

17          (a) PROGRAM.—

18                 (1) IN GENERAL.—The Director shall carry out  
19                 a program to award grants to institutions of higher  
20                 education to develop and implement master's degree  
21                 programs for in-service mathematics and science  
22                 teachers that will strengthen their subject area  
23                 knowledge and pedagogical skills. The degree pro-  
24                 gram shall be designed for current teachers, who will  
25                 enroll as part-time students, and to allow partici-

1 pants to obtain master's degrees within a period of  
2 2 years.

3 (2) DISTRIBUTION OF AWARDS.—The Director  
4 shall, in awarding grants under this section, consider  
5 the distribution of awards among institutions of dif-  
6 ferent sizes and geographic locations.

7 (3) MERIT REVIEW.—Grants shall be provided  
8 under this section on a competitive, merit-reviewed  
9 basis.

10 (4) USE OF GRANTS.—Grants provided under  
11 this section shall be used by institutions of higher  
12 education to develop and implement a program of in-  
13 struction, which may involve online learning, leading  
14 to the master's degree in science and mathematics  
15 education. Grant funds may be used to—

16 (A) develop courses of instruction and re-  
17 lated educational materials;

18 (B) cover the cost of attendance for stu-  
19 dents in the degree program; and

20 (C) acquire computer and networking  
21 equipment needed for implementing the pro-  
22 gram.

23 (b) SELECTION PROCESS.—

24 (1) APPLICATION.—An institution of higher  
25 education seeking funding under this section shall

1 submit an application to the Director at such time,  
2 in such manner, and containing such information as  
3 the Director may require. The application shall in-  
4 clude, at a minimum—

5 (A) a description of the master's degree  
6 program that the applicant intends to operate,  
7 including the number of students who can be  
8 accommodated in the program and identifica-  
9 tion of the faculty who will be involved in de-  
10 signing and implementing the program; and

11 (B) a description of the sequence of  
12 courses that will be offered to students in the  
13 academic program, including how the program  
14 will fit within a 2-year timeframe and how it  
15 will be tailored to the needs of part-time stu-  
16 dents.

17 (2) REVIEW OF APPLICATIONS.—In evaluating  
18 the applications submitted under paragraph (1), the  
19 Director shall consider, at a minimum—

20 (A) the ability of the applicant to effec-  
21 tively carry out the program;

22 (B) the degree and quality of interdepart-  
23 mental involvement by science, mathematics,  
24 and education faculty members in developing  
25 and implementing the program;

1 (C) the number and quality of the students  
2 that will be served by the program; and

3 (D) the extent to which the program is tai-  
4 lored to the needs of in-service teachers, who  
5 will be participating in the program as part-  
6 time students.

7 (3) SPECIAL AWARD CRITERIA.—Criteria for an  
8 award under this section shall include the impact of  
9 an award on the overall geographic distribution of  
10 awards made under the program, with the objective  
11 of avoiding undue concentration of awards.

12 (c) AUTHORIZATION OF APPROPRIATIONS.—There  
13 are authorized to be appropriated to the National Science  
14 Foundation for the purposes of this section \$200,000,000  
15 for fiscal year 2007, \$400,000,000 for fiscal year 2008,  
16 \$600,000,000 for fiscal year 2009, \$600,000,000 for fis-  
17 cal year 2010, and \$600,000,000 for fiscal year 2011.

18 **SEC. 203. ADVANCED PLACEMENT PREPARATION.**

19 (a) NATIONAL SCIENCE FOUNDATION PROGRAM.—

20 (1) IN GENERAL.—The Director shall add a  
21 component to the Teacher Professional Continuum  
22 Program to award grants to institutions of higher  
23 education, or to supplement existing grants, to de-  
24 velop and implement teacher training activities to  
25 prepare science and mathematics teachers to teach

1       Advanced Placement and International Bacca-  
2       laureate science and mathematics courses.

3               (2) DISTRIBUTION OF AWARDS.—The Director  
4       shall, in awarding grants under this section, consider  
5       the distribution of awards among institutions of dif-  
6       ferent sizes and geographic locations with the goal  
7       of reaching science and mathematics teachers in all  
8       parts of the Nation, and in particular, teachers from  
9       schools where few or no Advanced Placement or  
10      International Baccalaureate science or mathematics  
11      courses are now offered.

12              (3) MERIT REVIEW.—Grants shall be provided  
13      under this section on a competitive, merit-reviewed  
14      basis.

15              (4) USE OF GRANTS.—Grants provided under  
16      this section shall be used by institutions of higher  
17      education to—

18                      (A) develop training programs, which may  
19                      involve online learning, in accordance with  
20                      paragraph (1), including related educational  
21                      materials and equipment; and

22                      (B) cover cost of attendance for teachers  
23                      participating in the training program.

24              (b) SELECTION PROCESS.—

1           (1) APPLICATION.—An institution of higher  
2 education seeking funding under this section shall  
3 submit an application to the Director at such time,  
4 in such manner, and containing such information as  
5 the Director may require. The application shall in-  
6 clude, at a minimum—

7           (A) a description of the training program  
8 that the applicant intends to operate, including  
9 the number of teachers that can be accommo-  
10 dated in the program; and

11           (B) evidence of the intention of private  
12 sector companies or foundations to offer to  
13 teachers who complete the training program bo-  
14 nuses for each student they teach who passes  
15 an Advanced Placement or International Bacca-  
16 laureate science or mathematics course.

17           (2) REVIEW OF APPLICATIONS.—In evaluating  
18 the applications submitted under paragraph (1), the  
19 Director shall consider, at a minimum—

20           (A) the ability of the applicant to effec-  
21 tively carry out the program;

22           (B) the number of teachers who will be  
23 served by the program; and

24           (C) the level of support to be provided  
25 under paragraph (1)(B).

1           (3) SPECIAL AWARD CRITERIA.—Criteria for an  
2           award under this section shall include the impact of  
3           an award on teachers from schools where few or no  
4           Advanced Placement or International Baccalaureate  
5           science or mathematics courses are now offered.

6           (c) AUTHORIZATION OF APPROPRIATIONS.—There  
7           are authorized to be appropriated to the National Science  
8           Foundation for the purposes of this section, \$92,000,000  
9           for fiscal year 2007, \$153,000,000 for fiscal year 2008,  
10          \$219,000,000 for fiscal year 2009, \$296,000,000 for fis-  
11          cal year 2010, and \$357,000,000 for fiscal year 2011.

12          **SEC. 204. CURRICULAR MATERIALS.**

13          (a) INSTRUCTIONAL MATERIALS DEVELOPMENT.—  
14          There are authorized to be appropriated to the National  
15          Science Foundation for the Instructional Materials Devel-  
16          opment activity, \$30,000,000 for fiscal year 2007,  
17          \$31,000,000 for fiscal year 2008, \$32,000,000 for fiscal  
18          year 2009, \$33,000,000 for fiscal year 2010, and  
19          \$34,000,000 for fiscal year 2011.

20          (b) ASSESSMENT PANEL.—The Director, in consulta-  
21          tion with the Secretary of Education, shall convene a na-  
22          tional panel of experts on science and mathematics edu-  
23          cation to identify and collect K–12 science and mathe-  
24          matics teaching materials that have been demonstrated to  
25          be effective and to recommend the development of new ma-



1 terials in areas where effective materials do not exist. The  
2 Director and Secretary shall develop ways to disseminate  
3 effective materials and support efforts to develop new ma-  
4 terials, in accordance with the recommendations of the na-  
5 tional panel.

