

1 port scholarships and fellowships for un-
2 dergraduate and graduate students by
3 making awards through institutions of
4 higher education, including community col-
5 leges, to students who are enrolled in pro-
6 grams of study leading to degrees or con-
7 centrations in or related to the design, re-
8 search, assessment, development, deploy-
9 ment, integration, or application of artifi-
10 cial intelligence.

11 “(ii) AWARDS.—Scholarships and fel-
12 lowships awarded under this subparagraph
13 may be in the form of awards that may
14 cover the cost of tuition, education-related
15 fees, a stipend, and professional develop-
16 ment funds for a period of up to five years.
17 Such scholarships and fellowships shall be
18 paid directly to the institution of higher
19 education in which the student is enrolled.

20 “(iii) METHOD.—The Director of the
21 National Science Foundation may carry
22 out this subparagraph by making awards
23 through new or existing programs.

24 “(E) ARTIFICIAL INTELLIGENCE PROFES-
25 SIONAL DEVELOPMENT FELLOWSHIPS.—

1 “(i) IN GENERAL.—The Director of
2 the National Science Foundation may sup-
3 port activities to promote the exchange of
4 ideas and encourage collaborations between
5 institutions of higher education and indus-
6 try partners in the field of artificial intel-
7 ligence, including through fellowships for
8 students, teachers, faculty, and industry
9 professionals.

10 “(ii) SUPPLEMENTALS FOR STUDENTS
11 AND FACULTY.—The Director of the Na-
12 tional Science Foundation may award
13 supplementals for existing awards for stu-
14 dents and faculty to pursue professional
15 development programs in STEM fields that
16 are administered by or affiliated with insti-
17 tutions of higher education, including com-
18 munity colleges, in order to enable recipi-
19 ents to attain skills, training, or education
20 in partnership with industry members on
21 the design, research, assessment, develop-
22 ment, deployment, integration, or applica-
23 tion of artificial intelligence.

24 “(iii) FELLOWSHIPS FOR SCHOOL
25 PROFESSIONALS.—The Director of the Na-

1 tional Science Foundation may award fel-
2 lowships to teachers, paraprofessionals,
3 and other elementary school and secondary
4 school staff for professional development
5 programs in order to enable recipients to
6 attain skills, training, or education in part-
7 nership with industry members on the
8 teaching, use of, or application of artificial
9 intelligence in elementary schools and sec-
10 ondary schools.

11 “(iv) AWARDS.—Awards made under
12 this subparagraph may be in the form of
13 an award that covers the cost of tuition,
14 education-related fees, a stipend, and pro-
15 fessional development funds for up to one
16 year. Such awards shall be paid directly to
17 the institution of higher education that ad-
18 ministers, or is affiliated with, the program
19 in which the fellowship recipient is partici-
20 pating.

21 “(F) NATIONAL SCIENCE FOUNDATION
22 OUTREACH CAMPAIGN.—The Director of the
23 National Science Foundation may carry out a
24 nationwide outreach campaign to industry as
25 well as students at elementary schools, sec-

1 ondary schools, career and technical education
2 schools, and institutions of higher education, or
3 through other higher education and professional
4 education programs, to increase awareness re-
5 garding National Science Foundation-funded
6 artificial intelligence education opportunities.

7 “(G) ELIGIBILITY.—To be eligible to re-
8 ceive a scholarship or fellowship under this
9 paragraph, an individual shall be a citizen, na-
10 tional, or lawful permanent resident of the
11 United States.

12 “(H) REPORTS.—

13 “(i) IN GENERAL.—Not later than
14 seven years after the date of the enactment
15 of this subparagraph, the Director of the
16 National Science Foundation shall submit
17 to Congress, and make widely available to
18 the public, a report including any rec-
19 ommendations for legislative action that
20 could optimize the effectiveness, and im-
21 prove the design or goals, of the scholar-
22 ships and fellowships under this para-
23 graph.

24 “(ii) REQUIREMENTS.—In preparing
25 the reports under clause (i), the Director

1 of the National Science Foundation may,
2 as practicable—

3 “(I) include an assessment of the
4 effectiveness of such scholarships and
5 fellowships in expanding apprentice-
6 ships, internships, and other applied
7 or experiential learning opportunities
8 offered by employers in conjunction
9 with community colleges or other in-
10 stitutions of higher education;

11 “(II) assess the number of stu-
12 dents who received such scholarships
13 and fellowship;

14 “(III) assess the percentage of
15 such students who successfully com-
16 plete their education programs and
17 who intend to enter the workforce;

18 “(IV) assess the percentage of
19 undergraduate, graduate, and
20 postdoctoral students who enter the
21 workforce in a field relating to such
22 scholarship or fellowship;

23 “(V) assess the impact on the
24 number of elementary school and sec-
25 ondary school teachers, school coun-

1 selors, and other school professionals
2 who received such scholarships or fel-
3 lowships; and

4 “(VI) include an assessment of
5 the effects such scholarships and fel-
6 lowships have on related fields.”.

7 **SEC. 3. AWARDS FOR RESEARCH ON ARTIFICIAL INTEL-**
8 **LIGENCE IN EDUCATION.**

9 Section 5401 of the National Artificial Intelligence
10 Initiative Act of 2020 (15 U.S.C. 9451; enacted as part
11 of title LIV of division E of the William M. (Mac) Thorn-
12 berry National Defense Authorization Act for Fiscal Year
13 2021 (Public Law 116–283)) is amended—

14 (1) by redesignating subsection (g) as sub-
15 section (j);

16 (2) by inserting after subsection (f) the fol-
17 lowing new subsections:

18 “(g) AWARDS FOR RESEARCH ON ARTIFICIAL INTEL-
19 LIGENCE IN EDUCATION.—

20 “(1) ELIGIBLE ENTITY DEFINED.—In this sub-
21 section, the term ‘eligible entity’ means any of the
22 following:

23 “(A) An institution of higher education.

24 “(B) A nonprofit organization.

1 “(C) A consortium of one or more institu-
2 tions of higher education or nonprofit organiza-
3 tions and one or more private sector entities.

4 “(2) AWARDS.—

5 “(A) IN GENERAL.—The Director of the
6 National Science Foundation may make
7 awards, on a competitive, merit-reviewed basis,
8 to eligible entities, to enable such eligible enti-
9 ties to promote research regarding teaching
10 models, tools, and materials for artificial intel-
11 ligence, its integration into the classroom,
12 teaching, and learning for kindergarten through
13 grade 12 students, and its impacts on edu-
14 cational and learning outcomes.

15 “(B) METHOD.—The Director of the Na-
16 tional Science Foundation may carry out sub-
17 paragraph (A) by making awards through new
18 or existing programs.

19 “(3) APPLICATION.—

20 “(A) IN GENERAL.—An eligible entity that
21 desires to receive an award under this sub-
22 section shall submit to the Director of the Na-
23 tional Science Foundation an application at
24 such time, in such manner, and containing such
25 information as the Director may require.

1 “(B) CONTENTS.—An application under
2 subparagraph (A) may include the following:

3 “(i) With respect to an application
4 that concerns the use or integration of ar-
5 tificial intelligence, a description of poten-
6 tial ethical concerns and implications of
7 teacher, faculty, and student interactions
8 with artificial intelligence.

9 “(ii) Such other information as the
10 Director may require.

11 “(4) USE OF AWARD FUNDS.—Awards de-
12 scribed in paragraph (2)(A) shall be used by the re-
13 cipient to carry out the following:

14 “(A) Emphasize preparing incoming ele-
15 mentary school and secondary school teachers
16 to integrate artificial intelligence into their
17 classrooms in beneficial and innovative ways.

18 “(B) Support research to develop, pilot,
19 fully implement, or test topics, such as the fol-
20 lowing:

21 “(i) Instructional materials and high-
22 quality learning opportunities for teaching
23 artificial intelligence.

1 “(ii) Models for the preparation of
2 new teachers who will teach artificial intel-
3 ligence.

4 “(iii) Scalable models of professional
5 development and ongoing support for
6 teachers.

7 “(iv) Tools and models for teaching
8 and learning aimed at supporting student
9 success.

10 “(v) Evaluations of the effect of dif-
11 ferent approaches to teaching artificial in-
12 telligence on students’ educational and
13 learning outcomes.

14 “(5) PARTNERSHIPS.—In making awards under
15 this subsection, the Director of the National Science
16 Foundation shall carry out the following:

17 “(A) Encourage applicants which, for the
18 purpose of the proposed activity or activities
19 funded through such award, include or partner
20 with a nonprofit organization or an institution
21 of higher education (or a consortium thereof)
22 that has extensive experience and expertise in
23 integrating artificial intelligence into elementary
24 school and secondary school classrooms.

1 “(B) Encourage applicants which, for the
2 purpose of such proposed activity or activities
3 funded through such award, include or partner
4 with a consortium of schools, institutions of
5 higher education, school districts, non-profit or-
6 ganizations, or other State and local govern-
7 ment entities.

8 “(C) Encourage applicants which, for the
9 purpose of such proposed activity or activities
10 funded through such award, include commit-
11 ments from school principals, other school lead-
12 ers, or administrators to make a priority re-
13 forms and activities proposed by the applicant.

14 “(h) ARTIFICIAL INTELLIGENCE COLLABORATIVE.—

15 “(1) IN GENERAL.—The Director of the Na-
16 tional Science Foundation may establish a pilot pro-
17 gram of regional cohorts that will provide peer sup-
18 port, mentoring, and hands-on research experiences
19 for educators, principals, and other school leaders of
20 students in kindergarten through grade 12, in order
21 to build a network allowing educators, principals,
22 other school leaders to carry out the following:

23 “(A) Engage with one another on edu-
24 cational efforts related to teaching and using

1 artificial intelligence and evaluating its effects
2 on students' educational and learning outcomes.

3 “(B) Interact with researchers, academia,
4 and local industry involved in artificial intel-
5 ligence.

6 “(2) METHOD.—The Director of the National
7 Science Foundation may carry out this subsection by
8 making awards through new or existing programs,
9 including the pilot program authorized under section
10 10511(a)(2)(B) of the Research and Development,
11 Competition, and Innovation Act (42 U.S.C. 19172;
12 enacted as part of title V of division B of Public
13 Law 117–167).

14 “(i) SECURITY.—The activities under this section
15 shall be applied in a manner consistent with subtitle D
16 of title VI of the Research and Development, Competition,
17 and Innovation Act (enacted as division B of Public Law
18 117–167; 42 U.S.C. 19231 et seq.).”; and

19 (3) in subsection (j), as so redesignated—

20 (A) in paragraph (4), by striking “and”
21 after the semicolon;

22 (B) in paragraph (5) by striking the period
23 and inserting “; and”; and

24 (C) by adding at the end the following new
25 paragraphs:

- 1 “(6) \$1,055,060,000 for fiscal year 2027;
2 “(7) \$1,055,060,000 for fiscal year 2028;
3 “(8) \$1,055,060,000 for fiscal year 2029;
4 “(9) \$1,055,060,000 for fiscal year 2030; and
5 “(10) \$1,055,060,000 for fiscal year 2031.”.

6 **SEC. 4. DEFINITION.**

7 Section 5002 of the National Artificial Intelligence
8 Initiative Act of 2020 (15 U.S.C. 9401; enacted as part
9 of title LIV of division E of the William M. (Mac) Thorn-
10 berry National Defense Authorization Act for Fiscal Year
11 2021 (Public Law 116–283)) is amended—

12 (1) by redesignating paragraphs (5) through
13 (12) as paragraphs (6) through (13), respectively;
14 and

15 (2) by inserting after paragraph (4) the fol-
16 lowing new paragraph:

17 “(5) **ELEMENTARY SCHOOL, SECONDARY**
18 **SCHOOL, PARAPROFESSIONAL.**—The terms ‘elemen-
19 tary school’, ‘secondary school’, and ‘paraprofes-
20 sional’ have the meanings given such terms in sec-
21 tion 8101 of the Elementary and Secondary Edu-
22 cation Act of 1965 (20 U.S.C. 7801).”.

