

**AMENDMENT TO THE AMENDMENT IN THE  
NATURE OF A SUBSTITUTE TO H.R. 5  
OFFERED BY M. \_\_\_\_\_**

In title VI of the Elementary and Secondary Education Act of 1965, as proposed to be amended by section 601(a) of the amendment—

(1) redesignate part F as part G;

(2) redesignate section 6601 as section 6701;

and

(3) insert after part E the following:

1           **“PART F—A WELL-ROUNDED EDUCATION**

2           **“Subpart 1—Grants to Support STEM Education**

3           **“SEC. 6571. PURPOSE.**

4           “The purpose of this subpart is to improve student  
5 academic achievement in STEM subjects by—

6           “(1) improving instruction in such subjects  
7 from preschool through grade 12;

8           “(2) improving student engagement in, and in-  
9 creasing student access to, courses in such subjects;

10           “(3) improving the quality and effectiveness of  
11 classroom instruction by recruiting, training, and  
12 supporting effective teachers and providing robust

1 tools and supports for students and teachers in such  
2 subjects;

3 “(4) implementing and integrating college and  
4 career ready standards in STEM subjects and as-  
5 sessments aligned with those standards;

6 “(5) closing student achievement gaps, and pre-  
7 paring more students for postsecondary education  
8 and careers, in such subjects; and

9 “(6) Recognizing that STEM subjects are di-  
10 verse and that STEM education programs must ex-  
11 pose students to content and skills in a host of con-  
12 stantly changing and evolving content areas.

13 **“SEC. 6572. GRANTS; ALLOTMENTS.**

14 “(a) RESERVATIONS.—

15 “(1) IN GENERAL.—From the amounts appro-  
16 priated under section 6581 for a fiscal year, the Sec-  
17 retary shall reserve—

18 “(A) \$35,000,000 for a STEM Master  
19 Teachers Corps program under section 6575;

20 “(B) 3 percent to carry out activities de-  
21 scribed in section 6575 and technical assistance  
22 to States, including technical assistance with  
23 implementation of programs consistent with the  
24 purpose of this subpart; and

1           “(C) if funds are not awarded by formula,  
2           as described in subsection (c)(1), 5 percent for  
3           State capacity-building grants in accordance  
4           with paragraph (2).

5           “(2) CAPACITY-BUILDING GRANTS.—

6           “(A) IN GENERAL.—In any year for which  
7           funding is distributed competitively, as de-  
8           scribed in subsection (b)(1), the Secretary may  
9           award 1 capacity-building grant to each eligible  
10          entity that does not receive a grant under sub-  
11          section (b), on a competitive basis, to enable  
12          such States to become more competitive in fu-  
13          ture years.

14          “(B) DURATION.—Grants awarded under  
15          subparagraph (A) shall be for a period of 1  
16          year.

17          “(b) COMPETITIVE GRANTS.—

18          “(1) IN GENERAL.—For each fiscal year for  
19          which the amount appropriated to carry out this  
20          subpart is less than \$250,000,000, the Secretary  
21          shall award grants, on a competitive basis, to eligible  
22          entities to enable such eligible entities to carry out  
23          the activities described in this subpart.

1           “(2) DURATION.—Grants awarded under this  
2 subsection shall be for a period of not more than 3  
3 years.

4           “(3) RENEWAL.—

5                 “(A) IN GENERAL.—If an eligible entity  
6 demonstrates progress, as measured by the  
7 metrics reported in section 6576(a)(5), the Sec-  
8 retary may renew a grant for an additional 2-  
9 year period.

10               “(B) REDUCED FUNDING.—Grant funds  
11 awarded under subparagraph (A) shall be  
12 awarded at a reduced amount.

13           “(c) FORMULA GRANTS.—

14               “(1) IN GENERAL.—For each fiscal year for  
15 which the amount appropriated to carry out this  
16 subpart is equal to or more than \$250,000,000, the  
17 Secretary shall award grants to States, based on the  
18 formula described in paragraph (2).

19               “(2) DISTRIBUTION OF FUNDS.—The Secretary  
20 shall allot to each State—

21                   “(A) an amount that bears the same rela-  
22 tionship to 35 percent of the excess amount as  
23 the number of individuals ages 5 through 17 in  
24 the State, as determined by the Secretary on  
25 the basis of the most recent satisfactory data,

1 bears to the number of those individuals in all  
2 such States, as so determined; and

3 “(B) an amount that bears the same rela-  
4 tionship to 65 percent of the excess amount as  
5 the number of individuals ages 5 through 17  
6 from families with incomes below the poverty  
7 line, in the State, as determined by the Sec-  
8 retary on the basis of the most recent satisfac-  
9 tory data, bears to the number of those individ-  
10 uals in all such States, as so determined.

11 “(3) FUNDING MINIMUM.—No State receiving  
12 an allotment under this subsection may receive less  
13 than one-half of 1 percent of the total amount allot-  
14 ted under paragraph (1) for a fiscal year.

15 “(4) REALLOTMENT OF UNUSED FUNDS.—If a  
16 State does not successfully apply for or receive an  
17 allotment under this subsection for a fiscal year, the  
18 Secretary shall reallocate the amount of the State’s al-  
19 lotment to the remaining States in accordance with  
20 this subsection.

21 **“SEC. 6573. APPLICATIONS.**

22 “(a) IN GENERAL.—Each eligible entity desiring a  
23 grant under this subpart, whether through a competitive  
24 grant under section 6572(b) or through an allotment  
25 under section 6572(c), shall submit an application to the

1 Secretary at such time, in such manner, and accompanied  
2 by such information as the Secretary may require.

3 “(b) CONTENTS.—At a minimum, an application sub-  
4 mitted under subsection (a) shall include the following:

5 “(1) A description of how grant funds will be  
6 used by the eligible entity.

7 “(2) A description of how the eligible entity has  
8 involved a variety of stakeholders in the development  
9 of the application and a description of how the State  
10 or eligible entity will continue to involve stakeholders  
11 in any education reform efforts related to STEM  
12 subject instruction.

13 “(3) A description of the steps the eligible enti-  
14 ty will take to ensure that programs implemented by  
15 the subgrantees use evidence-based strategies, en-  
16 sure high-quality curricula, and provide high-quality  
17 professional development.

18 “(4) An assurance that the eligible entity, in  
19 making awards under section 6574(c), will give pri-  
20 ority to subgrantees that—

21 “(A) propose to serve students in schools  
22 in need of improvement and persistently low  
23 achieving schools; or

24 “(B) propose to serve schools with a high  
25 percentage or number of students that are eligi-

1           ble for free or reduced price lunch under the  
2           Richard B. Russell National School Lunch Act  
3           (42 U.S.C. 1751 et seq.).

4           “(5) A description of how the eligible entity’s  
5           activities and subgrants will be coordinated with  
6           other Federal, State, and local programs and activi-  
7           ties, including career and technical education pro-  
8           grams authorized under the Carl D. Perkins Career  
9           and Technical Education Act of 2006 (20 U.S.C.  
10          2301 et seq.).

11          “(6) A review of the industry and business  
12          workforce needs in the State in jobs that require  
13          knowledge or training in STEM subject areas and a  
14          description of how that review will inform efforts to  
15          improve education in STEM subjects.

16          “(7) A description of how the eligible entity will  
17          allocate funds in a manner that will provide services  
18          to both elementary schools and secondary schools.

19          “(8) A description of the technical assistance  
20          that the eligible entity will provide to subgrantees to  
21          support the activities undertaken by the sub-  
22          grantees, including—

23                  “(A) activities to employ multi-tiered sys-  
24                  tems of support to provide early intervening

1 services and to increase student achievement in  
2 STEM subjects;

3 “(B) activities to ensure increased access  
4 for students who are traditionally underrep-  
5 resented in STEM subject fields (including fe-  
6 male students, minority students, students who  
7 are limited English proficient, students who are  
8 children with disabilities, and students from  
9 low-income families) to high-quality courses and  
10 other learning experiences;

11 “(C) implementing evidence-based pro-  
12 grams of instruction based on college and ca-  
13 reer ready standards and high-quality assess-  
14 ments in the identified subjects; and

15 “(D) developing curricula consistent with  
16 the principles of universal design for learning as  
17 defined in section 103 of the Higher Education  
18 Act of 1965.

19 “(9) A description of the key data metrics that  
20 will be used and reported annually under section  
21 6576(a)(5), that shall include—

22 “(A) student academic achievement on  
23 mathematics and science State academic assess-  
24 ments and student growth; and



1                   “(B) for diploma granting schools, gradua-  
2                   tion rates.

3                   “(10) Assurances that the eligible entity will  
4                   monitor implementation of approved subgrantee  
5                   plans.

6   **“SEC. 6574. AUTHORIZED ACTIVITIES.**

7                   “(a) REQUIRED ACTIVITIES.—Each eligible entity  
8                   that receives a grant under this subpart shall use not more  
9                   than 5 percent of the grant funds to carry out each of  
10                  the following activities:

11                  “(1) Providing technical assistance to sub-  
12                  grantees as described in section 6573(b)(7) and  
13                  technical assistance to subgrantees that are  
14                  prioritized in section 6574(d), including subgrantees  
15                  that serve low-capacity rural and urban areas by—

16                          “(A) informing those subgrantees that they  
17                          have a priority for competing for grants under  
18                          section 6574(b); and

19                          “(B) providing subgrantees who do not re-  
20                          ceive a grant under section 6574(e) technical  
21                          assistance so that they may re-compete in fol-  
22                          lowing competitions.

23                  “(2) Identifying and supporting high-quality  
24                  professional development and other comprehensive  
25                  systems of support for teachers and school leaders to

1 promote high-quality instruction and instructional  
2 leadership in the identified subjects, aligned to col-  
3 lege and career ready standards where applicable.

4 “(3) Disseminating information, including mak-  
5 ing publicly available on the websites of the State  
6 educational agency, on promising practices to im-  
7 prove student achievement in STEM subject areas.

8 “(b) PERMISSIBLE ACTIVITIES.—Each eligible entity  
9 that receives a grant under this subpart may use the grant  
10 funds to carry out 1 or more of the following activities:

11 “(1) Recruiting qualified teachers and instruc-  
12 tional leaders who are trained in identified subjects,  
13 including teachers who have transitioned into the  
14 teaching profession from a career in a STEM field.

15 “(2) Providing induction and mentoring serv-  
16 ices to new teachers in identified subjects.

17 “(3) Developing instructional supports, such as  
18 curricula and assessments, which shall be evidence-  
19 based and aligned with State academic standards  
20 and may include online education.

21 “(4) Training personnel of subgrantees to use  
22 data systems to continuously improve student  
23 achievement in STEM subjects and use the data to  
24 better target curriculum and instruction to meet the  
25 needs of each student.

1 “(c) SUBGRANTS.—

2 “(1) IN GENERAL.—Each eligible entity that re-  
3 ceives a grant under this subpart shall award sub-  
4 grants, on a competitive basis, to eligible sub-  
5 grantees.

6 “(2) MINIMUM SUBGRANT.—An eligible entity  
7 shall award subgrants under this subsection that are  
8 of sufficient size and scope to support high-quality,  
9 evidence-based, effective programs that are con-  
10 sistent with the purpose of this subpart.

11 “(3) SUBGRANTEE APPLICATION.—Each sub-  
12 grantee desiring a subgrant under this subsection  
13 shall submit an application to the eligible entity at  
14 such time, in such manner, and accompanied by  
15 such information as the eligible entity may require,  
16 including, at a minimum:

17 “(A) A description of the needs identified  
18 by the subgrantee, based on a needs assessment  
19 which shall include—

20 “(i) data for elementary school and  
21 secondary school grades, as applicable and  
22 to the extent that such data are available,  
23 on—

24 “(I) student achievement in  
25 science and mathematics, including

1 such data collected in accordance with  
2 the State academic assessments;

3 “(II) science and mathematics  
4 teacher evaluation results or ratings;

5 “(III) student access to mathe-  
6 matics and science courses needed to  
7 enroll in credit-bearing coursework at  
8 institutions of higher education in the  
9 State;

10 “(IV) access to science and  
11 mathematics courses for student pre-  
12 kindergarten through grade 12 at-  
13 tending schools prioritized under sec-  
14 tion 6574(d);

15 “(V) the percentage of students  
16 successfully—

17 “(aa) completing Advanced  
18 Placement (AP) or International  
19 Baccalaureate (IB) courses in  
20 science and mathematics sub-  
21 jects; or

22 “(bb) completing rigorous  
23 postsecondary education courses  
24 in science and mathematics sub-  
25 jects;

1                   “(VI) rates of college remediation  
2                   in mathematics; and

3                   “(VII) teacher shortages and  
4                   teacher distribution among the local  
5                   educational agencies and schools  
6                   served by the subgrantee in science  
7                   and mathematics subjects; and

8                   “(ii) an analysis of the implementa-  
9                   tion of any multi-tiered systems of support  
10                  that have been employed by the local edu-  
11                  cational agency served by the subgrantee  
12                  to address the learning needs of students  
13                  in any STEM subjects.

14                  “(B) A description of the activities that  
15                  the subgrantee will carry out based on the find-  
16                  ings of the needs assessment described in sub-  
17                  paragraph (A), and how such activities will im-  
18                  prove teaching and student academic achieve-  
19                  ment in the identified subjects, in a manner  
20                  consistent with evidence-based research.

21                  “(C) A description of how the subgrantee  
22                  will use funds provided under this subsection to  
23                  serve students and teachers in schools  
24                  prioritized under section 6574(d).

1           “(D) A description of how funds provided  
2 under this subsection will be coordinated with  
3 other Federal, State, and local programs and  
4 activities, including career and technical edu-  
5 cation programs authorized under the Carl D.  
6 Perkins Career and Technical Education Act of  
7 2006 (20 U.S.C. 2301 et seq.).

8           “(E) If the subgrantee is working with  
9 outside partners, a description of how such out-  
10 side partners will be involved in improving in-  
11 struction and increasing access to high-quality  
12 learning experiences in the identified subjects.

13           “(4) SUBGRANTEE USE OF FUNDS.—

14           “(A) REQUIRED USE OF FUNDS.—Each  
15 subgrantee that receives a subgrant under this  
16 subsection shall use the subgrant funds to carry  
17 out activities for students from preschool  
18 through grade 12, consistent with the analysis  
19 and the activities described in the subgrantee’s  
20 application, which shall include—

21           “(i) high-quality teacher and instruc-  
22 tional leader recruitment, support, evalua-  
23 tion, and professional development in the  
24 identified subjects;

1                   “(ii) professional development, which  
2                   may include development and support for  
3                   instructional coaches, to enable teachers  
4                   and instructional leaders to increase stu-  
5                   dent achievement in identified subjects,  
6                   through—

7                               “(I) implementation of classroom  
8                               assessments; and

9                               “(II) differentiation of instruc-  
10                              tion in identified subjects for all stu-  
11                              dents, including for students with dis-  
12                              abilities and students who are English  
13                              learners;

14                   “(iii) activities to—

15                               “(I) improve the content knowl-  
16                               edge of teachers; and

17                               “(II) facilitate professional col-  
18                              laboration, which may include pro-  
19                              viding time for such collaborations;

20                   “(iv) training to principals and teach-  
21                   ers in implementing STEM subject initia-  
22                   tives, particularly in the areas of—

23                               “(I) utilizing data;

24                               “(II) assessing the quality of  
25                              STEM subject instruction; and

1                   “(III) providing time and support  
2                   for teachers to plan STEM subject in-  
3                   struction;

4                   “(v) the development, adoption, and  
5                   improvement of high-quality curricula, as-  
6                   sessments, materials, and instructional  
7                   supports that—

8                   “(I) are aligned with State aca-  
9                   demic standards; and

10                   “(II) the subgrantee will use to  
11                   improve student academic achieve-  
12                   ment in identified subjects; and

13                   “(vi) the development or improvement,  
14                   and implementation, of multi-tiered sys-  
15                   tems of support to provide early inter-  
16                   vening services and to increase student  
17                   achievement in 1 or more of the identified  
18                   subjects.

19                   “(B) PERMISSIBLE USE OF FUNDS.—In  
20                   addition to the required activities described in  
21                   subparagraph (A), each subgrantee that re-  
22                   ceives a subgrant under this subsection, may  
23                   also use the subgrant funds to—

24                   “(i) support the participation of low-  
25                   income students in nonprofit competitions



1 and out-of-school activities related to  
2 STEM (such as robotics, science research,  
3 invention, mathematics, and technology  
4 competitions), including—

5 “(I) the purchase of parts and  
6 supplies needed to participate in such  
7 competitions;

8 “(II) incentives and stipends for  
9 teachers and instructional leaders who  
10 are involved in assisting students and  
11 preparing students for such competi-  
12 tions, if such activities fall outside the  
13 regular duties and responsibilities of  
14 such teachers and instructional lead-  
15 ers; and

16 “(III) paying expenses associated  
17 with the participation of low-income  
18 students in such local, regional, or na-  
19 tional competitions;

20 “(ii) improve the laboratories of  
21 schools served by the subgrantee and pro-  
22 vide instrumentation as part of a com-  
23 prehensive program to enhance the quality  
24 of STEM instruction, including—

1                   “(I) purchase, rental, or leasing  
2 of equipment, instrumentation, and  
3 other scientific educational materials;

4                   “(II) maintenance, renovation,  
5 and improvement of laboratory facili-  
6 ties;

7                   “(III) professional development  
8 and training for teachers;

9                   “(IV) development of instruc-  
10 tional programs designed to integrate  
11 the laboratory experience with class-  
12 room instruction and to be consistent  
13 with college and career ready content  
14 standards in STEM subjects;

15                   “(V) training in laboratory safety  
16 for school personnel;

17                   “(VI) design and implementation  
18 of hands-on laboratory experiences to  
19 encourage the interest of students, es-  
20 pecially students who are traditionally  
21 underrepresented in STEM subject  
22 fields (including female students, mi-  
23 nority students, students who are lim-  
24 ited English proficient, students who  
25 are children with disabilities, and stu-

1                   dents from low-income families) in  
2                   STEM subjects and help prepare such  
3                   students to pursue postsecondary  
4                   studies in these fields; and

5                   “(VII) assessment of the activi-  
6                   ties funded under this subparagraph;

7                   “(iii) broaden secondary school stu-  
8                   dents’ access to, and interest in, careers  
9                   that require academic preparation in 1 or  
10                  more identified subjects;

11                  “(iv) integrate instruction in the iden-  
12                  tified subjects with instruction in reading,  
13                  English language arts, or other core and  
14                  noncore academic subjects;

15                  “(v) develop and implement a STEAM  
16                  curriculum, which means the integration of  
17                  instruction in the identified subjects with  
18                  instruction in the arts and design; or

19                  “(vi) establish or access online or dis-  
20                  tance learning programs for STEM subject  
21                  teachers using evidence-based curricula.

22                  “(C) LIMITATION.—Each subgrantee that  
23                  receives a subgrant under this subsection shall  
24                  not expend more than 15 percent of the

1           subgrant funds on the activities described in  
2           subparagraph (B).

3           “(D) MATCHING FUNDS.—

4                   “(i) IN GENERAL.—A State or eligible  
5           entity may require an eligible subgrantee  
6           receiving a subgrant under this subsection  
7           to demonstrate that such subgrantee has  
8           obtained a commitment from 1 or more  
9           outside partners to match, using non-Fed-  
10          eral funds, a portion of the amount of  
11          subgrant funds, in an amount determined  
12          by the State or eligible entity.

13                   “(ii) REQUIRED MINIMUM.—Notwith-  
14          standing clause (i), if an eligible sub-  
15          grantee partners with an outside partner  
16          that is a for-profit entity, such subgrantee  
17          shall obtain matching funds from the out-  
18          side partner in an amount equal to not less  
19          than 15 percent of the amount of the  
20          subgrant.

21          “(d) PRIORITY.—In awarding grants under this sub-  
22          part, an eligible entity shall give priority to subgrantees  
23          proposing to target services to—

24                   “(1) students in schools in need of improvement  
25          and persistently low-achieving schools; or

1           “(2) schools with a high percentage of students  
2           that are eligible for free or reduced price lunch  
3           under the Richard B. Russell National School Lunch  
4           Act (42 U.S.C. 1751 et seq.).

5   **“SEC. 6575. NATIONAL COORDINATION.**

6           “From the amount reserved under section  
7   6572(a)(1)(B), the Secretary shall consult with the Direc-  
8   tor of the National Science Foundation and other Federal  
9   agencies conducting STEM education programs to en-  
10   hance such programs and to improve coordination across  
11   agencies, such as—

12           “(1) clarifying the appropriate roles for the De-  
13   partment of Education and the National Science  
14   Foundation in the execution of summer workshops,  
15   institutes, or partnerships to improve STEM edu-  
16   cation in elementary and secondary schools; or

17           “(2) integrating afterschool, out-of-school, and  
18   informal education efforts conducted across Federal  
19   agencies into strategies for enhancing and improving  
20   STEM education.

21   **“SEC. 6576. STEM MASTER TEACHER CORPS PROGRAM.**

22           “(a) GRANTS AUTHORIZED.—From the funds re-  
23   served under section 6572(a)(1)(A), the Secretary shall  
24   award 1 or more grants, on a competitive basis, to entities  
25   described in subsection (b)(1) to enable such entities to

1 establish and operate a one-time STEM master teacher  
2 corps program.

3 “(b) STEM MASTER TEACHER CORPS.—The term  
4 ‘STEM master teacher corps’ (referred to in this section  
5 as the ‘corps’) means a one-time program—

6 “(1) that establishes the viability of creating a  
7 long-term national-level master teacher corps as a  
8 means to recognize and reward accomplished STEM  
9 educators;

10 “(2) operated by 1 or more State educational  
11 agencies, or a consortium of local educational agen-  
12 cies, acting in partnership with 1 or more outside  
13 partners that have a demonstrated record of success  
14 in improving the effectiveness of STEM teachers or  
15 increasing the retention of such teachers;

16 “(3) that selects a group of highly rated teach-  
17 ers (through a process, and for a duration, deter-  
18 mined by the entity described in paragraph (1)), as  
19 members of the corps, that constitutes not less than  
20 5 percent and not more than 10 percent of elemen-  
21 tary school, middle school, and high school teachers  
22 who teach STEM subjects and who—

23 “(A) teach in a participating high-need  
24 school in the region served by the entity de-  
25 scribed in paragraph (1); or

1           “(B) agree to teach in a participating  
2           high-need school in the region served by the en-  
3           tity described in paragraph (1) if accepted as a  
4           member of the corps; and

5           “(4) that aims to attract, improve, and retain  
6           teachers who teach STEM subjects and to increase  
7           student achievement in such subjects, including by—

8           “(A) providing instructional leadership re-  
9           sponsibilities for corps members in their  
10          schools, local educational agencies, or States,  
11          such as mentoring beginning STEM teachers  
12          and leading professional development activities  
13          for teachers not participating in the corps;

14          “(B) providing corps members with re-  
15          search-based professional development on in-  
16          structional leadership and effective teaching  
17          methods for STEM subjects, including coordi-  
18          nating with out-of-school-time and afterschool  
19          programs to provide engaging STEM programs;

20          “(C) providing each teacher who is a corps  
21          member with a salary supplement of not less  
22          than \$10,000 per year, in recognition of such  
23          teacher’s teaching accomplishments, leadership,  
24          and increased responsibilities, for each year

1           such teacher serves as a member of the corps;  
2           and

3                   “(D) building a community of practice  
4           among corps members to enable such members  
5           to network, collaborate, and to share best prac-  
6           tices and resources with each other.

7           “(c) DURATION.—Grants awarded under this section  
8           shall be for a period of not more than 3 years, after which  
9           the program under this subsection shall end.

10           “(d) APPLICATION.—Each entity described in sub-  
11           section (b)(1) desiring a grant under this section shall  
12           submit an application to the Secretary at such time, in  
13           such manner, and accompanied by such information as the  
14           Secretary may require.

15           “(e) MATCHING FUNDS.—The Secretary may require  
16           a grantee under this section to provide non-Federal  
17           matching funds in an amount equal to the amount of  
18           grant funds awarded under this section.

19           **“SEC. 6577. REPORTING REQUIREMENTS.**

20           “(a) ELIGIBLE ENTITY REPORTS.—Each State edu-  
21           cational agency receiving an award under section 6573  
22           shall report annually to the Secretary regarding the State  
23           educational agency’s progress in addressing the purposes  
24           of this subpart. Such report shall include, at a minimum,  
25           a description of—



1           “(1) the professional development activities pro-  
2           vided under the award, including types of activities  
3           and entities involved in providing professional devel-  
4           opment to classroom teachers and other program  
5           staff;

6           “(2) the types of programs and, for children  
7           from preschool to kindergarten entry, program set-  
8           tings, funded under the award;

9           “(3) the ages and demographic information that  
10          is not individually identifiable of children served by  
11          the programs funded under the award;

12          “(4) student performance on data metrics iden-  
13          tified under section 6573(b)(8) used for STEM ini-  
14          tiatives; and

15          “(5) the outcomes of programs and activities  
16          provided under the award.

17          “(b) **ELIGIBLE SUBGRANTEE REPORTS.**—Each eligi-  
18          ble entity receiving a subgrant under section 6574(c) shall  
19          report annually to the State educational agency regarding  
20          the eligible entity’s progress in addressing the purposes  
21          of this subpart. Such report shall include, at a minimum,  
22          a description of—

23                 “(1) how the subgrant funds were used; and

1           “(2) student performance on relevant program  
2           metrics, as identified in the State education agency’s  
3           implementation plan under section 6573(b)(8).

4   **“SEC. 6578. SUPPLEMENT NOT SUPPLANT.**

5           “Funds received under this subpart shall be used to  
6           supplement, and not supplant, funds that would otherwise  
7           be used for activities authorized under this subpart.

8   **“SEC. 6579. MAINTENANCE OF EFFORT.**

9           “A State that receives funds under this subpart for  
10          a fiscal year shall maintain the fiscal effort provided by  
11          the State for the subjects supported by the funds under  
12          this subpart at a level equal to or greater than the level  
13          of such fiscal effort for the preceding fiscal year.

14   **“SEC. 6580. DEFINITIONS.**

15          “In this subpart:

16                 “(1) ELIGIBLE ENTITY.—The term ‘eligible en-  
17                 tity’ means a State educational agency in partner-  
18                 ship with—

19                         “(A) another State educational agency;

20                         “(B) a consortium of State educational  
21                         agencies; or

22                         “(C) the State agencies that oversee  
23                         childcare programs, state-funded prekinderg-  
24                         garten, and part C of Individuals with Disabil-  
25                         ities Education Act.

1           “(2) ELIGIBLE SUBGRANTEE.—The term ‘eligi-  
2           ble subgrantee’ means—

3                   “(A) a local educational agency;

4                   “(B) 1 or more local educational agencies  
5                   providing early learning programs, or 1 or more  
6                   public or private early learning programs, serv-  
7                   ing children from preschool through kinder-  
8                   garten entry, such as a Head Start agency, a  
9                   child care program, or a State-funded pre-kin-  
10                  dergarten program, as appropriate;

11                  “(C) an educational service agency serving  
12                  more than 1 local educational agency;

13                  “(D) a consortium of local educational  
14                  agencies; or

15                  “(E) any of the entities described in sub-  
16                  paragraphs (A) through (D) working in part-  
17                  nership with an outside partner.

18           “(3) MULTI-TIERED SYSTEM OF SUPPORT.—

19           The term ‘multi-tiered system of support’ means a  
20           comprehensive system of differentiated supports that  
21           includes evidence-based instruction, universal screen-  
22           ing, progress monitoring, formative assessments, re-  
23           search-based interventions matched to student needs  
24           and educational decisionmaking using student out-  
25           come data.

1           “(4) **OUTSIDE PARTNER.**—The term ‘outside  
2 partner’ means an entity that has expertise and a  
3 demonstrated record of success in improving student  
4 learning and engagement in the STEM subjects, in-  
5 cluding any of the following:

6           “(A) A nonprofit or community-based or-  
7 ganization, such as an Indian tribe.

8           “(B) A business.

9           “(C) A nonprofit cultural organization,  
10 such as a museum or learning center.

11           “(D) An institution of higher education.

12           “(E) An educational service agency.

13           “(F) Another appropriate entity.

14           “(5) **STEM SUBJECTS.**—The term ‘STEM  
15 Subjects’ means the subjects of science, technology,  
16 engineering, and mathematics, including other aca-  
17 demic subjects that build on or are integrated with  
18 these subjects, such as statistics, computer science,  
19 and environmental literacy, the arts and design, or  
20 other subjects a State identifies as important to the  
21 workforce of the State.

22 **“SEC. 6581. AUTHORIZATION OF APPROPRIATIONS.**

23           “‘There are authorized to be appropriated to carry out  
24 this subpart \$500,000,000 for fiscal year 2016 and such  
25 sums as may be necessary for subsequent fiscal years.

1       **“Subpart 2—Transforming Education Through**  
2                                   **Technology Grants**

3   **“SEC. 6601. PURPOSES.**

4       “The purposes of this subpart are to—

5               “(1) improve the achievement, academic  
6               growth, and college-and-career readiness of students  
7               who have developed the ability to think critically,  
8               apply knowledge to solve complex problems, work  
9               collaboratively, communicate effectively, be self-di-  
10              rected, and be responsible digital citizens;

11             “(2) ensure all students have access to individ-  
12             ualized, rigorous, and engaging digital learning expe-  
13             riences;

14             “(3) ensure that educators have the knowledge  
15             and skills to develop and implement digital learning  
16             curriculum, use technology effectively in order to  
17             personalize and strengthen instruction, and effec-  
18             tively create, deliver, and utilize assessments to  
19             measure student outcomes and support student suc-  
20             cess;

21             “(4) ensure that administrators have the lead-  
22             ership, management, knowledge, and skills to design,  
23             develop, and implement a school or local educational  
24             agency-wide digital age learning environment; and

25             “(5) improve the efficiency and productivity of  
26             education through technology.

1 **“SEC. 6602. E-RATE RESTRICTION.**

2 “Funds awarded under this subpart may be used to  
3 address the networking needs of a recipient of such funds  
4 for which the recipient is eligible to receive support under  
5 the E-rate program, except that such funds may not be  
6 duplicative of support received by the recipient under the  
7 E-rate program.

8 **“SEC. 6603. RULE OF CONSTRUCTION REGARDING PUR-**  
9 **CHASING.**

10 “Nothing in this subpart shall be construed to permit  
11 a recipient of funds under this subpart to purchase goods  
12 or services using such funds without ensuring that the  
13 purchase is free of any conflict of interest between such  
14 recipient, or any partner of such recipient, and the person  
15 or entity receiving such funds.

16 **“SEC. 6604. DEFINITIONS.**

17 “In this subpart:

18 “(1) **DIGITAL LEARNING.**—The term ‘digital  
19 learning’ means any instructional practice that effec-  
20 tively uses technology to strengthen a student’s  
21 learning experience and encompasses a wide spec-  
22 trum of tools and practices, including—

23 “(A) interactive learning resources that en-  
24 gage students in academic content;

25 “(B) access to online databases and other  
26 primary source documents;

1           “(C) the use of data to personalize learn-  
2           ing and provide targeted supplementary instruc-  
3           tion;

4           “(D) student collaboration with content ex-  
5           perts and peers;

6           “(E) online and computer-based assess-  
7           ments;

8           “(F) digital content, adaptive, and simula-  
9           tion software or courseware,

10          “(G) online courses, online instruction, or  
11          digital learning platforms;

12          “(H) mobile and wireless technologies for  
13          learning in school and at home;

14          “(I) learning environments that allow for  
15          rich collaboration and communication;

16          “(J) authentic audiences for learning in a  
17          relevant, real world experience;

18          “(K) teacher participation in virtual pro-  
19          fessional communities of practice; and

20          “(L) hybrid or blended learning, which oc-  
21          curs under direct instructor supervision at a  
22          school or other location away from home and,  
23          at least in part, through online delivery of in-  
24          struction with some element of student control  
25          over time, place, path, or pace.

1           “(2) ELIGIBLE TECHNOLOGY.—The term ‘eligi-  
2           ble technology’ means modern information, com-  
3           puter, and communication technology hardware,  
4           software, services, or tools, including computer or  
5           mobile hardware devices and other computer and  
6           communications hardware, software applications,  
7           systems and platforms, and digital and online con-  
8           tent, courseware, and online instruction and other  
9           online services and supports, including technology  
10          that is interoperable and is in accordance with prin-  
11          ciples of universal design for learning.

12           “(3) STUDENTS WITH DISABILITIES.—The term  
13          ‘students with disabilities’ means students with dis-  
14          abilities as defined under the Individuals with Dis-  
15          abilities Education Act and section 504 of the Reha-  
16          bilitation Act of 1973.

17           “(4) STUDENT TECHNOLOGY LITERACY.—The  
18          term ‘student technology literacy’ means student  
19          knowledge and skills in using contemporary informa-  
20          tion, communication, and learning technologies in a  
21          manner necessary for successful employment, life-  
22          long learning, and citizenship in the knowledge-  
23          based, digital, and global 21st century, including, at  
24          a minimum, the ability to—



1           “(A) effectively communicate and collabo-  
2           rate;

3           “(B) analyze and solve problems;

4           “(C) access, evaluate, manage, and create  
5           information and otherwise gain information lit-  
6           eracy;

7           “(D) demonstrate creative thinking, con-  
8           struct knowledge, and develop innovative prod-  
9           ucts and processes; and

10           “(E) carry out the activities described in  
11           subparagraphs (A) through (D) in a safe and  
12           ethical manner.

13           “(5) TECHNOLOGY READINESS SURVEY.—The  
14           term ‘technology readiness survey’ means a survey  
15           completed by a local educational agency that pro-  
16           vides standardized information comparable to the in-  
17           formation collected through the technology readiness  
18           survey administered under the Race to the Top As-  
19           sessment program under section 14006 of division A  
20           of the American Recovery and Reinvestment Act of  
21           2009 (Public Law 111–5) on the quantity and types  
22           of technology infrastructure and access available to  
23           the students served by the local educational agency,  
24           including computer devices, Internet connectivity,

1 operating systems, related network infrastructure,  
2 data systems, and—

3 “(A) requiring—

4 “(i) an internal review of the degree  
5 to which instruction, additional student  
6 support, and professional development is  
7 delivered in digital formats, media, and  
8 platforms and is available to students and  
9 educators at any time;

10 “(ii) an internal review of the ability  
11 of educators to use assessments and other  
12 student data to personalize and strengthen  
13 instruction and identify professional devel-  
14 opment needs and priorities; and

15 “(iii) any other information required  
16 by the State educational agency serving  
17 the local educational agency; and

18 “(B) may include an assessment of local  
19 community needs to ensure students have ade-  
20 quate on-line access and access to devices for  
21 school-related work during out-of-school time.

22 **“SEC. 6605. TECHNOLOGY GRANTS PROGRAM AUTHORIZED.**

23 “(a) IN GENERAL.—From the amounts appropriated  
24 under section 6611, the Secretary shall award State  
25 Grants for Technology Readiness and Access (in this title

1 referred to as ‘grants’) to State educational agencies to  
2 strengthen State and local technological infrastructure  
3 and professional development that supports digital learn-  
4 ing through State activities under section 6607(c) and  
5 local activities under section 6608(c).

6 “(b) GRANTS TO STATE EDUCATIONAL AGENCIES.—

7 “(1) RESERVATIONS.—From the amounts ap-  
8 propriated under section 6611 for any fiscal year,  
9 the Secretary shall reserve—

10 “(A) three-fourths of 1 percent for the  
11 Secretary of Interior to provide assistance  
12 under this title for schools operated or funded  
13 by the Bureau of Indian Education; and

14 “(B) 1 percent to provide assistance under  
15 this title to the outlying areas.

16 “(2) GRANTS.—From the amounts appro-  
17 priated under section 6611 for any fiscal year and  
18 remaining after the Secretary makes reservations  
19 under paragraph (1), the Secretary shall make a  
20 grant for the fiscal year to each State educational  
21 agency with an approved application under section  
22 6606 in an amount that bears the same relationship  
23 to such remainder as the amount the State edu-  
24 cational agency received under part A of title I for  
25 such year bears to the amount all State educational

1 agencies with an approved application under section  
2 6606 received under such part (20 U.S.C. 6311 et  
3 seq.) for such year.

4 “(c) MINIMUM.—The amount of a grant to a State  
5 educational agency under subsection (b)(2) for a fiscal  
6 year may not be less than one-half of 1 percent of the  
7 total amount made available for grants to all State edu-  
8 cational agencies under such subsection for such year.

9 “(d) REALLOTMENT OF UNUSED FUNDS.—If any  
10 State educational agency does not apply for a grant under  
11 subsection (b)(2) for a fiscal year, or does not use its en-  
12 tire grant under subsection (b)(2) for such year, the Sec-  
13 retary shall reallot the amount of the State educational  
14 agency’s grant, or the unused portion of the grant, to the  
15 remaining State educational agencies that use their entire  
16 grant amounts under subsection (b)(2) for such year.

17 “(e) MATCHING FUNDS.—

18 “(1) IN GENERAL.—A State educational agency  
19 that receives a grant under subsection (b)(2) shall  
20 provide matching funds, from non-Federal sources,  
21 in an amount equal to 20 percent of the amount of  
22 grant funds provided to the State educational agency  
23 to carry out the activities supported by the grant.  
24 Such matching funds may be provided in cash or in-  
25 kind, except that any such in-kind contributions

1 shall be provided for the purpose of supporting the  
2 State educational agency's activities under section  
3 6608(c).

4 “(2) WAIVER.—The Secretary may waive the  
5 matching requirement under paragraph (1) for a  
6 State educational agency that demonstrates that  
7 such requirement imposes an undue financial hard-  
8 ship on the State educational agency.

9 **“SEC. 6606. STATE APPLICATIONS.**

10 “(a) APPLICATION.—To receive a grant under section  
11 6605(b)(2), a State educational agency shall submit to the  
12 Secretary an application at such time and in such manner  
13 as the Secretary may require and containing the informa-  
14 tion described in subsection (b).

15 “(b) CONTENTS.—Each application submitted under  
16 subsection (a) shall include the following:

17 “(1) A description of how the State educational  
18 agency will meet the following goals:

19 “(A) Use technology to ensure all students  
20 achieve college-and-career readiness and tech-  
21 nology literacy, including by providing high-  
22 quality education opportunities to economically  
23 or geographically isolated student populations.

24 “(B) Provide educators with the tools, de-  
25 vices, content, and resources to—

1                   “(i) significantly improve teaching  
2                   and learning, including support to increase  
3                   personalization for and engagement of stu-  
4                   dents in pursuit of college-and-career read-  
5                   iness and technology literacy; and

6                   “(ii) develop and use assessments to  
7                   improve instruction, including instruction  
8                   consistent with the principles of universal  
9                   design for learning, as described in section  
10                  5429(b)(21), and instruction for students  
11                  with disabilities and English-language  
12                  learners.

13                  “(C) Ensure administrators and school  
14                  leaders have the flexibility and capacity to de-  
15                  velop and manage systems to carry out activi-  
16                  ties described in subparagraphs (A) and (B),  
17                  and support administrators and school leaders  
18                  in utilizing technology to promote equity and  
19                  increase efficiency and productivity.

20                  “(D) Enable local educational agencies to  
21                  build the technological capacity and infrastruc-  
22                  ture (including through local purchasing of eli-  
23                  gible technology), necessary for the full imple-  
24                  mentation of on-line assessments for all stu-

1           dents, (including students with disabilities and  
2           English-language learners) and to—

3                   “(i) ensure the interoperability of data  
4                   systems and eligible technology; and

5                   “(ii) carry out subparagraphs (A)  
6                   through (C).

7           “(2) A description of the results of the tech-  
8           nology readiness in the State as determined by local  
9           educational agency responses to the technology read-  
10          iness survey, including—

11                   “(A) the status of the ability of each local  
12                   educational agency served by the State edu-  
13                   cational agency to meet the goals described in  
14                   section 6608(b)(1);

15                   “(B) an assurance that not less 90 percent  
16                   of the local educational agencies served by the  
17                   State educational agency have completed and  
18                   submitted the technology readiness survey to  
19                   the State educational agency; and

20                   “(C) an assurance that the results of the  
21                   technology readiness survey for each such local  
22                   educational agency are made available to the  
23                   Secretary and the public through the Website of  
24                   the local educational agency.

1           “(3) A description of the plan for the State  
2           educational agency to support each local educational  
3           agency served by the State educational agency in  
4           meeting the goals described in section 6608(b)(1)  
5           not later than 3 years after the local educational  
6           agency completes the technology readiness survey by  
7           addressing the readiness gaps identified in such sur-  
8           vey.

9           “(4) A description of the State’s process for the  
10          adoption, acquisition, distribution, and use of con-  
11          tent, how the State will ensure integrity of such  
12          processes, and how such processes support the goals  
13          under paragraph (1) or how a State will change  
14          such processes to support such goals, and how the  
15          State will ensure content quality.

16          “(5) A description of how the State educational  
17          agency will ensure its data systems and eligible tech-  
18          nology are interoperable.

19          “(6) An assurance that the State educational  
20          agency will consider making content widely available  
21          through open educational resources when making  
22          purchasing decisions with funds received under this  
23          title.



1           “(7) A description of the State’s student tech-  
2           nology literacy standards and the technology stand-  
3           ards for teachers and administrators.

4           “(8) An assurance that subgrant awards under  
5           section 6608 will be carried out by the local edu-  
6           cational agency staff with responsibility for leader-  
7           ship, coordination, and implementation of instruc-  
8           tional and other classroom technologies.

9           “(9) A description of how the State educational  
10          agency will award subgrants to local educational  
11          agencies under section 6608.

12          “(10) A description of the process, activities,  
13          and performance measures, that the State edu-  
14          cational agency will use to evaluate the impact and  
15          effectiveness of the grant and subgrants funds  
16          awarded under this subpart across the State and in  
17          each local educational agency.

18          “(11) A description of how the State edu-  
19          cational agency will, in providing technical and other  
20          assistance to local educational agencies, give priority  
21          to the local educational agencies proposing to target  
22          services to—

23                  “(A) students in schools in need of im-  
24                  provement and persistently low-achieving  
25                  schools; and

1           “(B) schools with a high percentage of stu-  
2           dents that are eligible for free or reduced price  
3           lunch under the Richard B. Russell National  
4           School Lunch Act (42 U.S.C. 1751 et seq.).

5           “(12) A description of how the State edu-  
6           cational agency consulted with local educational  
7           agencies in the development of the State educational  
8           agency’s application under this subsection.

9           “(13) An assurance that the State educational  
10          agency will provide matching funds as required  
11          under section 6605(e).

12          “(14) A description of how the State edu-  
13          cational agency will ensure that funds received under  
14          this title is not duplicative of support received under  
15          the E-rate program.

16          “(15) An assurance that the State educational  
17          agency, in making awards under section 6608, to  
18          improve equity of technology resources, will expend  
19          funds first to local educational agencies that—

20                 “(A) serve students in schools identified as  
21                 persistently low achieving or in need of im-  
22                 provement to remedy resource inequities; or

23                 “(B) serve schools with a high percentage  
24                 of students that are eligible for free or reduced  
25                 price lunch under the Richard B. Russell Na-

1           tional School Lunch Act (42 U.S.C. 1751 et  
2           seq.).

3           “(16) An assurance that the State educational  
4           agency will protect the privacy and safety of stu-  
5           dents and teachers, consistent with requirements of  
6           section 444 of the General Education Provisions Act  
7           (20 U.S.C. 1232g) (commonly known as the ‘Family  
8           Educational Rights and Privacy Act of 1974’).

9           **“SEC. 6607. STATE USE OF GRANT FUNDS.**

10          “(a) RESERVATION FOR SUBGRANTS TO SUPPORT  
11          TECHNOLOGY INFRASTRUCTURE.—Each State edu-  
12          cational agency that receives a grant under section  
13          6605(b)(2) shall expend not less 90 percent of the grant  
14          amount for each fiscal year to award subgrants to local  
15          educational agencies in accordance with section 6608.

16          “(b) RESERVATION FOR STATE ACTIVITIES.—

17                  “(1) IN GENERAL.—A State educational agency  
18                  shall reserve not more than 10 percent of the grant  
19                  received under section 6605(b)(2) for the State ac-  
20                  tivities described in subsection (c).

21                  “(2) GRANT ADMINISTRATION.—Of the amount  
22                  reserved by a State educational agency under para-  
23                  graph (1), the State educational agency may reserve  
24                  not more than 1 percent or 3 percent, in the case  
25                  of a State educational agency awarding subgrants

1 under section 6608(a)(2), for the administration of  
2 the grant under this title, except that a State edu-  
3 cational agency that forms a State purchasing con-  
4 sortium under subsection (d)—

5 “(A) may reserve an additional 1 percent  
6 to carry out the activities described in sub-  
7 section (d)(1); and

8 “(B) shall receive direct approval from the  
9 local educational agencies receiving subgrants  
10 under section 6608(a) from the State edu-  
11 cational agency prior to reserving more than  
12 the additional percentage authorized under sub-  
13 paragraph (A) to carry out the activities de-  
14 scribed in subsection (d)(1).

15 “(c) PRIORITY.—In awarding subgrants under this  
16 subpart, the State educational agency shall give priority  
17 to local educational agencies proposing to target services  
18 to—

19 “(1) students in schools in need of improvement  
20 or persistently low-achieving schools; and

21 “(2) schools with a high percentage or number  
22 of students that are eligible for free or reduced price  
23 lunch under the Richard B. Russell National School  
24 Lunch Act (42 U.S.C. 1751 et seq.).

1       “(c) STATE ACTIVITIES.—A State educational agency  
2 shall use funds described in subsection (b) to carry out  
3 each of the following:

4           “(1) Except for the awarding of subgrants in  
5 accordance with section 6608, activities described in  
6 the State educational agency’s application under sec-  
7 tion 6606(b).

8           “(2) Providing technical assistance to local edu-  
9 cational agencies to—

10           “(A) identify and address technology readi-  
11 ness needs;

12           “(B) redesign curriculum and instruction,  
13 improve educational productivity, and deliver  
14 computer-based and online assessment;

15           “(C) use technology, consistent with the  
16 principles of universal design for learning to  
17 support the learning needs of all students in-  
18 cluding students with disabilities and English-  
19 language learners;

20           “(D) support principals to have the exper-  
21 tise to evaluate teachers’ proficiency in imple-  
22 menting digital tools for teaching and learning;  
23 and

24           “(E) build capacity of individual school  
25 and local educational agency leaders.

1           “(3) Developing or utilizing research-based or  
2 innovative strategies for the delivery of specialized or  
3 rigorous academic courses and curricula through the  
4 use of technology, including digital learning tech-  
5 nologies and assistive technology.

6           “(4) Integrating and coordinating activities  
7 under this title with other educational resources and  
8 programs across the State.

9           “(5) Disseminating information, including mak-  
10 ing publicly available on the websites of the State  
11 educational agency promising practices to improve  
12 technology instruction, and acquiring and imple-  
13 menting technology tools and applications.

14           “(6) Ensuring that teachers, paraprofessionals,  
15 library and media personnel, specialized instructional  
16 support personnel, and administrators possess the  
17 knowledge and skills to use technology—

18           “(A) for curriculum redesign to change  
19 teaching and learning and improve student  
20 achievement;

21           “(B) for formative and summative assess-  
22 ment administration, data analysis, and to per-  
23 sonalize learning;

24           “(C) to improve student technology lit-  
25 eracy;

1           “(D) to expand the range of supports and  
2 accommodations available to English-language  
3 learners and students with disabilities; and

4           “(E) for their own ongoing professional de-  
5 velopment and for access to teaching resources  
6 and tools.

7           “(7) Coordinating with teacher and school lead-  
8 er preparation programs to—

9           “(A) align digital learning teaching stand-  
10 ards; and

11           “(B) provide ongoing professional develop-  
12 ment for teachers and school leaders that is  
13 aligned to State student technology standards  
14 and activities promoting college-and-career  
15 readiness.

16           “(d) PURCHASING CONSORTIA.—

17           “(1) IN GENERAL.—A State educational agency  
18 receiving a grant under section 6605(b)(2) may—

19           “(A) form a State purchasing consortium  
20 with 1 or more State educational agencies re-  
21 ceiving such a grant to carry out the State ac-  
22 tivities described in clause, including purchasing  
23 eligible technology;

1           “(B) encourage local educational agencies  
2 to form local purchasing consortia under section  
3 6608(c)(4); and

4           “(C) promote pricing opportunities to local  
5 educational agencies for the purchase of eligible  
6 technology that are—

7           “(i) negotiated by the State edu-  
8 cational agency or the State purchasing  
9 consortium of the State educational agen-  
10 cy; and

11           “(ii) available to such local edu-  
12 cational agencies.

13           “(2) RESTRICTIONS.—A State educational  
14 agency receiving a grant under section 6605(b)(2)  
15 may not—

16           “(A) except for promoting the pricing op-  
17 portunities described in paragraph (1)(C), make  
18 recommendations to local educational agencies  
19 for or require use of any specific commercial  
20 products and services by local educational agen-  
21 cies;

22           “(B) require local educational agencies to  
23 participate in a State purchasing consortia or  
24 local purchasing consortia; or



1           “(C) use more than the reservation  
2           amount authorized for the administration of the  
3           grant under subsection (b) to carry out the ac-  
4           tivities described in paragraph (1), unless the  
5           State educational agency receives approval in  
6           accordance with subsection (b)(2)(B).

7   **“SEC. 6608. LOCAL SUBGRANTS.**

8           “(a) SUBGRANTS.—

9           “(1) GRANTS TO LOCAL EDUCATIONAL AGEN-  
10          CIES.—From the grant funds provided under section  
11          6605(b)(2) to a State educational agency that are  
12          remaining after the State educational agency makes  
13          reservations under section 6608(b) for any fiscal  
14          year and subject to paragraph (2), the State edu-  
15          cational agency shall award subgrants for the fiscal  
16          year to local educational agencies served by the  
17          State educational agency and with an approved ap-  
18          plication under subsection (b) by allotting to each  
19          such local educational agency an amount that bears  
20          the same relationship to the remainder as the  
21          amount received by the local educational agency  
22          under part A of title I for such year bears to the  
23          amount received by all such local educational agen-  
24          cies under such part for such year, except that no

1 local educational agency may receive less than  
2 \$5,000.

3 “(2) COMPETITIVE GRANTS TO LOCAL EDU-  
4 CATIONAL AGENCIES.—If the amount of funds ap-  
5 propriated under section 6611 is less than  
6 \$500,000,000 for any fiscal year, a State edu-  
7 cational agency—

8 “(A) shall not award subgrants under  
9 paragraph (1); and

10 “(B) shall—

11 “(i) award subgrants, on a competi-  
12 tive basis, to local educational agencies  
13 based on the quality of applications sub-  
14 mitted under (b), including—

15 “(I) the level of technology readi-  
16 ness as determined by the technology  
17 readiness surveys completed by local  
18 educational agencies submitting such  
19 applications; and

20 “(II) the technology plans de-  
21 scribed in subsection (b)(3) and how  
22 the local educational agencies with  
23 such plans will carry out the align-  
24 ment and coordination described in  
25 such subsection; and

1                   “(ii) ensure that such subgrants are  
2                   of sufficient size and scope to carry out the  
3                   local activities described in subsection (c).

4                   “(3) DEFINITION OF LOCAL EDUCATIONAL  
5                   AGENCY FOR CERTAIN FISCAL YEARS.—For pur-  
6                   poses of awarding subgrants under paragraph (2),  
7                   the term ‘local educational agency’ means—

8                   “(A) a local educational agency;

9                   “(B) an educational service agency; or

10                   “(C) a local educational agency and an  
11                   educational service agency.

12                   “(b) APPLICATION.—A local educational agency that  
13                   desires to receive a subgrant under subsection (a) shall  
14                   submit an application to the State at such time, in such  
15                   manner, and accompanied by such information as the  
16                   State educational agency may require, including—

17                   “(1) a description of how the local educational  
18                   agency will—

19                   “(A) carry out the goals described in sub-  
20                   paragraphs (A) through (C) of section  
21                   6605(b)(1); and

22                   “(B) enable schools served by the agency  
23                   to build the technological capacity and infra-  
24                   structure (including through local purchasing of  
25                   eligible technology), necessary for the full imple-

1           mentation of on-line assessments for all stu-  
2           dents (including students with disabilities and  
3           English-language learners) and to—

4                   “(i) ensure the interoperability of data  
5                   systems and eligible technology; and

6                   “(ii) carry out the goals described in  
7                   subparagraphs (A) through (C) of section  
8                   6605(b)(1); and

9                   “(C) align activities funded under this sub-  
10                  part with school improvement plans, when ap-  
11                  plicable;

12                  “(2) a description of the results of the tech-  
13                  nology readiness survey completed by the local edu-  
14                  cational agency and a description of the plan for the  
15                  local educational agency to meet the goals described  
16                  in paragraph (1) within 3 years of completing the  
17                  survey;

18                  “(3) a description of the local educational agen-  
19                  cy’s technology plan to carry out paragraphs (1) and  
20                  (3) and how the agency will align and coordinate the  
21                  activities under this section with other activities  
22                  across the local educational agency;

23                  “(4) a description of the team of educators that  
24                  will coordinate and carry out the activities under  
25                  this section, including individuals with responsibility

1 and expertise in instructional technology, teachers  
2 that specialize in supporting students with disabili-  
3 ties and English-language learners, school leaders,  
4 technology officers, and staff responsible for assess-  
5 ments and data analysis;

6 “(5) a description of how the local educational  
7 agency will evaluate teachers’ proficiency and  
8 progress in implementing technology for teaching  
9 and learning;

10 “(6) a description of how the local educational  
11 agency will ensure that principals have the expertise  
12 to evaluate teachers’ proficiency and progress in im-  
13 plementing technology for teaching and learning and  
14 the interoperability of data systems and eligible tech-  
15 nology;

16 “(7) a description of the local educational agen-  
17 cy’s procurement process and process for the cre-  
18 ation, acquisition, distribution, and use of content,  
19 how the local educational agency will ensure integ-  
20 rity of such processes, and how such processes sup-  
21 port the goals described in paragraph (1) or how a  
22 local educational agency will change such processes  
23 to support such goals, and how the local educational  
24 agency will ensure content quality;

1           “(8) a description of how the local educational  
2 agency will carry out activities under subsection (c);

3           “(9) a description of how the subgrant funds  
4 received under subsection (a) will be coordinated  
5 with and supported by other Federal, State, and  
6 local funds to support activities under this subpart;

7           “(10) a description of how the local educational  
8 agency will ensure that the subgrant received under  
9 subsection (a) is not duplicative of support received  
10 under the E-rate program; and

11           “(11) an assurance that the local educational  
12 agency will protect the privacy and safety of stu-  
13 dents and teachers, consistent with requirements  
14 section 444 of the General Education Provisions Act  
15 (20 U.S.C. 1232g) (commonly known as the ‘Family  
16 Educational Rights and Privacy Act of 1974’).

17           “(c) USE OF FUNDS.—

18           “(1) TECHNOLOGY INFRASTRUCTURE.—Subject  
19 to paragraph (3), a local educational agency receiv-  
20 ing a subgrant under subsection (a) shall use not  
21 less than 40 percent of such funds to support activi-  
22 ties for the acquisition of eligible technology needed  
23 to—

24           “(A) except for the activities described in  
25 paragraph (2), carry out activities described in

1 the application submitted under subsection (b),  
2 including purchasing devices, equipment, and  
3 software applications, and improving  
4 connectivity to and within schools; and

5 “(B) address readiness shortfalls identified  
6 under the technology readiness survey com-  
7 pleted by the local educational agency.

8 “(2) PROFESSIONAL DEVELOPMENT FOR DIG-  
9 ITAL LEARNING.—Subject to paragraph (3), a local  
10 educational agency receiving a subgrant under sub-  
11 section (a)—

12 “(A) shall use not less than 35 percent of  
13 such funds to carry out—

14 “(i) digital age professional develop-  
15 ment opportunities for teachers, para-  
16 professionals, library and media personnel,  
17 specialized instructional support personnel,  
18 technology coordinators, and administra-  
19 tors in the effective use of modern infor-  
20 mation and communication technology  
21 tools and digital resources to deliver in-  
22 struction, curriculum and school classroom  
23 management, including for classroom  
24 teachers to assess, support, and provide

1                   engaging student learning opportunities,  
2                   including professional development that—  
3                   “**(I)** is ongoing, sustainable, and  
4                   scalable;  
5                   “**(II)** is participatory;  
6                   “**(III)** includes communication  
7                   and regular interactions with instruc-  
8                   tors, facilitators, and peers and is di-  
9                   rectly related to up-to-date teaching  
10                  methods in content areas;  
11                  “**(IV)** includes strategies and  
12                  tools for improving communication  
13                  with parents and family engagement;  
14                  “**(V)** may be built around active  
15                  professional learning communities or  
16                  online communities of practice or  
17                  other tools that increase collaboration  
18                  among teachers across schools, local  
19                  educational agencies, or States; and  
20                  “**(VI)** may contain on-demand  
21                  components, such as instructional vid-  
22                  eos, training documents, or learning  
23                  modules;  
24                  “**(ii)** ongoing professional development  
25                  in strategies, pedagogy, and assessment in



1 the core academic subjects that involve the  
2 use of technology and curriculum redesign  
3 as key components of supporting effective,  
4 innovative teaching and learning, and im-  
5 proving student achievement;

6 “(iii) ongoing professional develop-  
7 ment in the use of educational technologies  
8 to ensure every educator achieves and  
9 maintains technology literacy, including  
10 possessing and maintaining the knowledge  
11 and skills to use technology—

12 “(I) across the curriculum for  
13 student learning;

14 “(II) for real-time data analysis  
15 and online or digital assessment to en-  
16 able individualized instruction; and

17 “(III) to develop and maintain  
18 student technology literacy;

19 “(iv) ongoing professional develop-  
20 ment for school leaders to provide and pro-  
21 mote leadership in the use of—

22 “(I) educational technology to en-  
23 sure a digital-age learning environ-  
24 ment, including the capacity to lead

1 the reform or redesign of curriculum,  
2 instruction, assessment; and

3 “(II) data through the use of  
4 technology in order to increase stu-  
5 dent learning opportunity, student  
6 technology literacy, student access to  
7 technology, and student engagement  
8 in learning; and

9 “(v) a review of the effectiveness of  
10 the professional development and regular  
11 intervals of learner feedback and data; and

12 “(B) may use such funds for—

13 “(i) the use of technology coaches to  
14 work directly with teachers, including  
15 through the preparation of teachers as  
16 technology leaders or master teachers—

17 “(I) who are provided with the  
18 means to serve as experts and to cre-  
19 ate professional development opportu-  
20 nities for other teachers in the effec-  
21 tive use of technology; and

22 “(II) who may leverage tech-  
23 nologies, such as distance learning  
24 and online virtual educator-to-educa-  
25 tor peer communities, as a means to

1 support ongoing, participatory profes-  
2 sional growth around the integration  
3 of effective educational technologies;

4 “(ii) innovative approaches to ongoing  
5 professional development such as non-  
6 standard achievement recognition strate-  
7 gies, including digital badging,  
8 gamification elements, use of learner-cre-  
9 ated learning objects, integration of social  
10 and professional networking tools, rating  
11 and commenting on learning artifacts, and  
12 personalization of professional develop-  
13 ment; and

14 “(iii) any other activities required to  
15 carry out the local educational agency’s  
16 technology plan described in subsection  
17 (b)(4).

18 “(3) MODIFICATION OF FUNDING ALLOCA-  
19 TIONS.—A State educational agency may authorize a  
20 local educational agency to modify the percentage of  
21 the local educational agency’s subgrant funds re-  
22 quired to carry out the activities described in para-  
23 graphs (1) or (2) if the local educational agency  
24 demonstrates that such modification will assist the

1 local educational agency in more effectively carrying  
2 out such activities.

3 “(4) PURCHASING CONSORTIA.—Local edu-  
4 cational agencies receiving subgrants under sub-  
5 section (a) may—

6 “(A) form a local purchasing consortia  
7 with other such local educational agencies to  
8 carry out the activities described in this sub-  
9 section, including purchasing eligible tech-  
10 nology; and

11 “(B) use such funds for purchasing eligible  
12 technology through a State purchasing con-  
13 sortia under section 6607(d).

14 **“SEC. 6609. REPORTING.**

15 “(a) LOCAL EDUCATIONAL AGENCIES.—Each local  
16 educational agency receiving a subgrant under section  
17 6608 shall submit to the State educational agency that  
18 awarded such subgrant an annual report the meets the  
19 requirements of subsection (c).

20 “(b) STATE EDUCATIONAL AGENCIES.—Each State  
21 educational agency receiving a grant under section  
22 6605(b)(2) shall submit to the Secretary an annual report  
23 that meets the requirements of subsection (c).

1       “(c) REPORT REQUIREMENTS.—A report submitted  
2 under subsection (a) or (b) shall include, at a minimum,  
3 a description of—

4           “(1) the status of the State education agency’s  
5 plan described in section 6606(b)(3) or local edu-  
6 cation agency’s technology plan under section  
7 6608(b)(4), as applicable;

8           “(2) the categories of eligible technology ac-  
9 quired and types of programs funded under this title  
10 and how such technology is being used;

11          “(3) the professional development activities  
12 funded under this title, including types of activities  
13 and entities involved in providing such professional  
14 development; and

15          “(4) information on the impact of the grant on  
16 students and student outcomes, such as—

17           “(A) the number of and demographic in-  
18 formation about students who are served under  
19 this subpart;

20           “(B) student achievement, student growth,  
21 and graduation rates of such students;

22           “(C) college-and-career readiness data  
23 about such students, such as rates of credit ac-  
24 cumulation, course taking and completion, and  
25 college enrollment and persistence;

1           “(D) student attendance and participation  
2 rates;

3           “(E) student engagement and discipline;

4           “(F) school climate and teacher working  
5 conditions;

6           “(G) increases in inclusion of students  
7 with disabilities and English-language learners;  
8 and

9           “(H) such other information the Secretary  
10 may require or other information State edu-  
11 cational agencies or local educational agencies  
12 served under this subpart propose to include, as  
13 approved by the Secretary.

14 **“SEC. 6610. ESTABLISHMENT OF THE ADVANCED RE-**  
15 **SEARCH PROJECT AGENCY-EDUCATION.**

16           “(a) PROGRAM ESTABLISHED.—From the amounts  
17 appropriated under section 6611, the Secretary of Edu-  
18 cation may reserve up to 5 percent to—

19           “(1) establish and carry out the Advanced Re-  
20 search Projects Agency-Education (in this section  
21 referred to as ‘ARPA-ED’) to—

22           “(A) identify and promote advances in  
23 learning, fundamental and applied sciences, and  
24 engineering that may be translated into new  
25 learning technologies;

1           “(B) develop, test, and evaluate new learn-  
2           ing technologies and related processes; and

3           “(C) accelerate transformational techno-  
4           logical advances in education;

5           “(2) convene an advisory panel under sub-  
6           section (d); and

7           “(3) carry out the evaluation and dissemination  
8           requirements under subsection (e).

9           “(b) APPOINTMENTS.—

10           “(1) DIRECTOR.—ARPA–ED shall be under  
11           the direction of the Director of ARPA–ED, who  
12           shall be appointed by the Secretary.

13           “(2) QUALIFIED INDIVIDUALS.—The Secretary  
14           shall appoint, for a term of not more than 4 years,  
15           qualified individuals who represent scientific, engi-  
16           neering, professional, and other personnel with ex-  
17           pertise in carrying out the activities described in this  
18           section to positions in ARPA–ED, at rates of com-  
19           pensation determined by the Secretary, without re-  
20           gard to the provisions of title 5, United States Code,  
21           except that such rates of compensation shall not to  
22           exceed the rate for level I of the Executive Schedule  
23           under section 5312 of such title.

24           “(c) FUNCTIONS OF ARPA–ED.—Upon consultation  
25           with the advisory panel convened under subsection (d), the

1 Secretary shall select public and private entities to carry  
2 out the activities described in subsection (a)(1) by—

3 “(1) awarding such entities grants, contracts,  
4 cooperative agreements, or cash prizes; or

5 “(2) entering into such other transactions with  
6 such entities as the Secretary may prescribe in regu-  
7 lations.

8 “(d) ADVISORY PANEL.—

9 “(1) IN GENERAL.—The Secretary shall con-  
10 vene an advisory panel to advise and consult with  
11 the Secretary, Director, and the qualified individuals  
12 appointed under subsection (b)(2) on—

13 “(A) ensuring that the awards made and  
14 transaction entered into under subsection (c)  
15 are consistent with the purposes described in  
16 subsection (a)(1); and

17 “(B) ensuring the relevance, accessibility,  
18 and utility of such awards and transactions to  
19 education practitioners.

20 “(2) APPOINTMENT OF MEMBERS.—The Sec-  
21 retary shall appoint the following qualified individ-  
22 uals to serve on the advisory panel:

23 “(A) Education practitioners.

24 “(B) Experts in technology.



1           “(C) Specialists in rapid gains in student  
2 achievement and school turnaround.

3           “(D) Specialists in personalized learning.

4           “(E) Researchers, including at least one  
5 representative from a comprehensive center es-  
6 tablished under 203 of the Educational Tech-  
7 nical Assistance Act of 2002 (20 U.S.C. 9602)  
8 or the regional laboratories system established  
9 under section 174 of the Education Sciences  
10 Reform Act (20 U.S.C. 9564).

11           “(F) Other individuals with expertise who  
12 will contribute to the overall rigor and quality  
13 of ARPA–ED.

14           “(3) APPLICABILITY OF FACAA.—The Federal  
15 Advisory Committee Act (5 U.S.C. App.) shall not  
16 apply to the panel convened under this subsection  
17 and any appointee to such panel shall not be consid-  
18 ered an ‘employee’ under section 2105 of title 5,  
19 United States Code.

20           “(e) EVALUATION AND DISSEMINATION.—

21           “(1) EVALUATION.—The Secretary shall obtain  
22 independent, periodic, and rigorous evaluation of—

23           “(A) the effectiveness of the processes  
24 ARPA–Ed is using to achieve the purposes de-  
25 scribed in subsection (a)(1);

1           “(B) the relevance, accessibility, and utility  
2           of the awards made and transactions entered  
3           into under subsection (c) to education practi-  
4           tioners; and

5           “(C) the effectiveness of the projects car-  
6           ried out through such awards and transactions,  
7           using evidence standards developed in consulta-  
8           tion with the Institute of Education Sciences,  
9           and the suitability of such projects for further  
10          investment or increased scale.

11          “(2) DISSEMINATION AND USE.—The Secretary  
12          shall disseminate information to education practi-  
13          tioners, including teachers, principals, and local and  
14          State superintendents, on effective practices and  
15          technologies developed under ARPA–ED, as appro-  
16          priate, through—

17                 “(A) the comprehensive centers established  
18                 under 203 of the Educational Technical Assist-  
19                 ance Act of 2002 (20 U.S.C. 9602);

20                 “(B) the regional laboratories system es-  
21                 tablished under section 174 of the Education  
22                 Sciences Reform Act (20 U.S.C. 9564); and

23                 “(C) such other means as the Secretary  
24                 determines to be appropriate.

1           “(f) ADMINISTRATIVE REQUIREMENTS.—Notwith-  
2 standing section 437(d) of the General Education Provi-  
3 sions Act (20 U.S.C. 1232(d)), the Secretary shall estab-  
4 lish such processes as may be necessary for the Secretary  
5 to manage and administer ARPA–ED, which are not con-  
6 strained by other Department of Education-wide adminis-  
7 trative requirements that may prevent ARPA–ED from  
8 carrying out the purposes described in subsection (a)(1).

9           **“SEC. 6611. AUTHORIZATION.**

10           “There are authorized to be appropriated to carry out  
11 this subpart \$500,000,000 for fiscal year 2016 and such  
12 sums as may be necessary for each of the 4 succeeding  
13 fiscal years.”.

