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## THE GENERAL ASSEMBLY OF PENNSYLVANIA

## SENATE BILL No. 123 Session of 1997

INTRODUCED BY MOWERY, SALVATORE, HART, TOMLINSON, JUBELIRER, AFFLERBACH, THOMPSON, MUSTO, KASUNIC, RHOADES, HELFRICK, DELP AND PICCOLA, JANUARY 21, 1997

SENATOR RHOADES, EDUCATION, AS AMENDED, JUNE 2, 1997

## AN ACT

Establishing the Basic Education Higher Education Science Partnership Program; creating the Basic Education Higher Education Science Partnership Advisory Committee; providing for business tax credits; and making an appropriation.
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16 PROVIDING FOR A FEASIBILITY STUDY RELATING TO THE ESTABLISHMENT 17 OF A PENNSYLVANIA SCIENCE PARTNERSHIP PROGRAM.

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18 THE GENERAL ASSEMBLY FINDS AND DECLARES AS FOLLOWS:

- 19 (1) A WELL-TRAINED AND WELL-EDUCATED WORK FORCE IS
   20 ESSENTIAL TO THE ECONOMIC WELL-BEING OF THIS COMMONWEALTH.
- (2) MANY OF THE FASTEST GROWING SECTORS OF THE ECONOMY
  ARE IN AREAS WHICH REQUIRE TECHNICAL COMPETENCE AND AN
  EDUCATIONAL BACKGROUND THAT INCLUDES A SOLID FOUNDATION IN
- 24 THE CHEMICAL, PHYSICAL, BIOLOGICAL AND EARTH SCIENCES.
- (3) MANY SCHOOLS IN THIS COMMONWEALTH DO NOT HAVE THE
  FINANCIAL RESOURCES TO PROVIDE THEIR STUDENTS WITH THE
  ADVANCED SCIENCE CURRICULUM NEEDED FOR THE WORKPLACES AND
  HIGH TECHNOLOGY INDUSTRIES OF THE 21ST CENTURY. SHARING
  RESOURCES IS A COST-EFFECTIVE AND PROVEN METHOD OF ENSURING
  THAT ALL OF THIS COMMONWEALTH'S SCHOOL CHILDREN HAVE ACCESS

TO A HIGH-QUALITY SCIENCE CURRICULUM THAT PROVIDES HANDS-ON
 EXPERIENCE WITH MODERN AND SOPHISTICATED SCIENTIFIC AND
 TECHNICAL EQUIPMENT.

4 (4) SIGNIFICANT OPPORTUNITIES EXIST FOR COLLABORATION
5 BETWEEN THE BASIC EDUCATION AND HIGHER EDUCATION SYSTEMS OF
6 THIS COMMONWEALTH TO ENHANCE THE EDUCATION OF THIS
7 COMMONWEALTH'S SCHOOL CHILDREN.

8 (5) STUDENTS NEED THE OPPORTUNITY TO LEARN SCIENCE BY 9 PRACTICING SCIENCE. THIS COMMONWEALTH MUST GRADUATE STUDENTS 10 WHO ARE MORE SCIENTIFICALLY LITERATE AND WHO ARE BETTER ABLE 11 TO PURSUE CAREERS AND JOBS IN FIELDS THAT REQUIRE SUCH 12 LITERACY.

13 (6) TEACHERS WHO ARE THE ONLY PHYSICS OR CHEMISTRY
14 TEACHER IN THEIR SCHOOL NEED NOT WORK IN ISOLATION.

15 (7) TEACHERS REQUIRE GREATER OPPORTUNITIES FOR
16 PROFESSIONAL DEVELOPMENT IN SCIENCE, INCLUDING TRAINING TO
17 INCORPORATE NEW SCIENCE EQUIPMENT INTO THE TEACHING
18 CURRICULA.

(8) IT IS THEREFORE THE INTENT OF THE GENERAL ASSEMBLY 19 20 AND THE PURPOSE OF THIS ACT TO DIRECT THE DEPARTMENT OF EDUCATION TO EXAMINE THE FEASIBILITY OF ESTABLISHING THE 21 22 PENNSYLVANIA SCIENCE PARTNERSHIP PROGRAM TO PROVIDE ENHANCED 23 EDUCATIONAL OPPORTUNITIES IN THE FIELDS OF SCIENCE TO THIS 24 COMMONWEALTH'S SCHOOL CHILDREN, ESPECIALLY CHILDREN ATTENDING 25 SCHOOLS THAT DO NOT HAVE THE FINANCIAL RESOURCES TO PROVIDE 26 AN ENRICHED SCIENCE CURRICULUM.

27 The General Assembly of the Commonwealth of Pennsylvania28 hereby enacts as follows:

29 Section 1. Short title.

30 This act shall be known and may be cited as the Basic

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1 Education and Higher Education Science Partnership Act.

2 Section 2. Declaration of policy.

3 (a) Findings. The General Assembly finds and declares as
4 follows:

5 (1) A well-trained and well-educated work force is essential to the economic well being of this Commonwealth. 6 (2) Many of the fastest growing sectors of the economy 7 are in areas which require technical competence and an 8 educational background that includes a solid foundation in 9 10 the chemical, physical, biological and earth sciences. 11 (3) Many schools in this Commonwealth do not have the 12 financial resources to provide their students with the 13 advanced science curriculum needed for the workplaces and 14 high technology industries of the 21st century. 15 (4) Sharing resources is a cost effective and proven 16 method of ensuring that all of this Commonwealth's school 17 children have access to a high quality science curriculum 18 that provides hands on experience with modern and 19 sophisticated scientific and technical equipment and that 20 provides teachers with the training and education they need 21 to incorporate the use of these types of equipment into their 22 teaching curricula. 23 (5) Significant opportunities exist for collaboration 24 between the basic education and higher education systems of 25 this Commonwealth to enhance the education of this Commonwealth's school children. 26 27 (b) Intent. It is the intent of the General Assembly and 28 the purpose of this act to establish the Basic Education -Higher Education Science Partnership Program to provide enhanced 29 30 educational opportunities in the fields of science to this - 4 -19970S0123B1125

1 Commonwealth's school children, especially children attending

2 schools that do not have the financial resources to provide an

3 enriched science curriculum.

4 Section 3. Definitions.

5 The following words and phrases when used in this act shall 6 have the meanings given to them in this section unless the 7 context clearly indicates otherwise:

8 "Basic education." Education provided by the elementary and
9 secondary schools of this Commonwealth.

10 "Business entity." A corporation having capital stock, 11 joint stock association or limited partnership, either organized under the laws of the United States, this Commonwealth or any 12 13 other state, territory or foreign country or dependency, and 14 doing business in this Commonwealth, or having capital or 15 property employed or used in this Commonwealth by or in the name 16 of itself or any person, partnership, association, limited partnership, joint stock association or corporation and subject 17 18 to taxes under Article IV or VI of the act of March 4, 1971 19 (P.L.6, No.2), known as the Tax Reform Code of 1971. The term 20 shall also include businesses operating as Pennsylvania S 21 corporations, sole proprietorships or partnerships that are 22 subject to taxes under Article III of the Tax Reform Code of 23 1971 and building and loan associations, banks, bank and trust 24 companies, national banks, savings institutions, trust companies 25 and insurance and surety companies that are subject to taxes 26 under Article VI, VII, VII A, VIII, VIII A, IX, X or XV of the 27 Tax Reform Code of 1971. 28 "Computer equipment." A data processor which can be

29 programmed in at least two standard computer languages, which 30 has a random access memory with a capacity for at least 32,000 19970S0123B1125 - 5 -

bytes and is or can be used connected to a screen for visual 1 display of data and information. The term includes display 2 3 screens or monitors, printers, disk drives, including CD ROM 4 (compact disk read only memory) drives or readers, networking and computer hardware and software to enable local area 5 networking (LAN), wide area networking (WAN) and Internet 6 capabilities, installation costs and software, if donated with a 7 8 data processor or that can be used to enhance a school's 9 existing computer resources or capabilities. 10 "Computer software." Computer programs and instruction in 11 the use of the program donated by a business entity. 12 "Department." The Department of Education of the 13 Commonwealth. 14 "Donated equipment." Computer, scientific or technical 15 equipment given to a basic education higher education science 16 partnership solely for educational purposes and not transferred 17 for money, property, services or other consideration. The 18 original use of the equipment immediately after the donation 19 shall be by the donee. 20 "Donated services." Labor donated by an individual to a 21 basic education higher education science partnership used either 22 in classroom instruction or training to classroom teachers 23 participating in the Basic Education Higher Education Science 24 Partnership Program, provided that the individual is an employee 25 of a business entity and has donated the labor with the 26 knowledge and assent of that business entity. Donated labor 27 shall include, but not be limited to, instruction and training 28 on the use of the donated equipment, installation of the donated 29 equipment and any necessary modifications to a school classroom 30 or school facility, including, but not limited to, rewiring of - 6 -19970S0123B1125

1 the electrical system, in order for the donated equipment to

2 function.

3 "Donated supplies." Chemicals and other materials used in 4 conducting scientific experiments or in conjunction with scientific or technical equipment, including, but not limited 5 to, safety glasses, beakers, graduated cylinders and other 6 scientific glassware. 7 8 "Higher education institution." Any public or private twoyear or four year or higher postsecondary institution in this 9 10 Commonwealth that has been accredited at the college level by an 11 accrediting agency recognized by the United States Secretary of 12 Education. 13 "Market value." The retail sale price of computer, 14 scientific or technical equipment. 15 "Participating school and school district." A public school 16 or school district that elects to participate in the Basic 17 Education Higher Education Science Partnership Program. 18 "Program." The Basic Education Higher Education Science 19 Partnership Program created under this act. 20 "Residual value." The difference between the market price of 21 the donated equipment and any depreciation allowances which have 22 been authorized for the equipment. 23 "Scientific or technical equipment." Technical or electronic 24 equipment used in teaching science courses, including laboratory 25 equipment which is not older than five years. The equipment may 26 include equipment that is routinely used in the teaching of 27 science and equipment that is not routinely used in the teaching 28 of a science curriculum but that is commonly used in the workplaces and fields of health, the environment, scientific 29

30 research, biology, chemistry, geology or other earth sciences,

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1	physics or other scientific field, and which can be used by a
2	basic education higher education science partnership to
3	significantly enhance the teaching of and students' exposure to
4	<del>science.</del>
5	"Secretary." The Secretary of Education of the Commonwealth.
б	Section 4. Establishment of Basic Education Higher Education
7	Science Partnership Program.
8	There is hereby established the Basic Education Higher
9	Education Science Partnership Program to augment and complement
10	the science curriculum provided by the public schools of this
11	Commonwealth.
12	Section 5. School collaborative regions.
13	The department shall divide this Commonwealth into six
14	contiguous school collaborative regions that have approximately
15	an equal number of school children for administration of the
16	Basic Education Higher Education Science Partnership Program.
17	Section 6. Voluntary participation.
18	Participation by school districts in the program shall be
19	voluntary. A nonparticipating school district may not prohibit
20	any school within the school district from participating in the
21	<del>program.</del>
22	Section 7. Request for proposals.
23	The department shall solicit proposals from higher education
24	institutions within each school collaborative region for the
25	implementation and operation of the Basic Education Higher
26	Education Science Partnership Program. Each proposal shall state
27	the manner in which the higher education institution will
28	provide a science program that strengthens and enhances the
29	science curricula being taught at the participating schools and
30	school districts in the school collaborative region, including,
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but not limited to, the field or fields of science that will be 1 covered, the manner in which access to modern and sophisticated 2 3 scientific and technical equipment will be provided to students 4 and teachers in participating schools and school districts that may include the use of mobile vans which travel from school to 5 school on a scheduled basis, the grade level or levels of 6 7 instruction and the professional development activities that will be provided to upgrade the knowledge and skills of science 8 teachers in participating schools and school districts. A higher 9 10 education institution may enter into an agreement with one or 11 more private or nonprofit entities for the provision of all or part of the science program. 12 13 Section 8. Formation of basic education higher education 14 science partnerships. 15 The participating schools and school districts within each 16 school collaborative region shall select the higher education 17 institution with which they will form a basic education higher 18 education science partnership from among the proposals received 19 by the department from the higher education institutions within 20 the region. In the event that no higher education institution 21 within a school collaborative region submits a proposal or the 22 proposal or proposals that are submitted are not acceptable to 23 the participating schools and school districts, the schools and school districts may petition a higher education institution 24 25 located outside the region to form a partnership. 26 Section 9. State funding. 27 The Commonwealth shall annually provide \$50 per student receiving science instruction through a basic education higher 28 education science partnership for each participating school 29 30 district or participating school within a nonparticipating

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1	school district with a market value/personal income aid ratio of
2	0.5000 or greater. Participating school districts and
3	participating schools located in nonparticipating school
4	districts with a market value/personal income aid ratio of less
5	than 0.5000 and nonpublic schools that seek to belong to a basic
6	education higher education science partnership shall pay the
7	department \$50 per student receiving science instruction through
8	a science partnership program to help defray the cost of the
9	<del>program.</del>
10	Section 10. Grants and other funding sources.
11	The department shall provide assistance, when necessary, to
12	participating schools and school districts and their higher
13	education partners to obtain additional funding for the program
14	from governmental, corporate or private sources in the form of
15	grants, donations or other funding mechanisms.
16	Section 11. Basic Education Higher Education Science
17	Partnership Advisory Committee.
18	There is hereby created the Basic Education Higher
19	Education Science Partnership Advisory Committee. The committee
20	shall consist of 15 members, as follows:
21	(1) The Secretary of Education or his designee.
22	(2) Two representatives designated by participating
23	schools and school districts from each of the school
24	collaborative regions.
25	(3) One member of the Council of Basic Education.
26	(4) One member of the Council of Higher Education.
27	The committee shall establish standards for the implementation
28	and operation of the Basic Education Higher Education Science
29	Partnership Program.
30	Section 12. Meetings and chairperson.
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1	The secretary shall convene the first meeting of the
2	committee within three months of the effective date of this act.
3	Meetings of the committee shall be held at least quarterly or at
4	the call of the chairperson. A chairperson shall be chosen by a
5	majority vote of the advisory committee members present at the
6	first regularly scheduled meeting.
7	Section 13. Compensation and expenses.
8	Committee members shall be entitled to no compensation for
9	their services as members, but shall be entitled to
10	reimbursement for all necessary expenses incurred in connection
11	with the performance of their duties as members of the
12	committee.
13	Section 14. Support.
14	The department shall provide the appropriate administrative
15	and technical support needed by the committee in order to
16	fulfill its responsibilities.
17	Section 15. Powers and duties of department.
18	The department has the power and its duty shall be to adopt
19	rules, regulations, procedures and forms that may be necessary
20	to implement the Basic Education Higher Education Science
21	Partnership Program established under this act.
22	Section 16. Business tax credit for donated equipment or
23	supplies authorized.
24	There is hereby authorized a business tax credit for
25	computer, scientific or technical equipment, computer software
26	or services or supplies that have been donated and approved for
27	use by a basic education higher education science partnership.
28	A business entity shall be entitled to a credit against taxes
29	imposed under Article III, IV, VI, VII, VII A, VIII, VIII A, IX,
30	X or XV of the act of March 4, 1971 (P.L.6, No.2), known as the
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1	Tax Reform Code of 1971, or any tax substituted in lieu thereof,
2	for the tax year in which any computer, scientific or technical
3	equipment, computer software or supplies were donated for use by
4	a basic education higher education science partnership. The
5	credit shall be calculated as follows:
б	(1) For new computer, scientific or technical equipment,
7	50% of the market value.
8	(2) For used computer equipment or used scientific or
9	technical equipment that is two years old or less, 50% of the
10	residual value.
11	(3) For used computer equipment or used scientific or
12	technical equipment that is more than two years old but less
13	than five years old, 25% of the residual value.
14	(4) For computer software, 50% of the actual acquisition
15	<del>cost of the software.</del>
16	(5) For supplies, 25% of the actual acquisition cost.
17	(6) For service donations, 50% of the wages or salary of
18	the employee whose labor has been donated.
19	Section 17. Note of donation.
20	In accordance with regulations adopted by the Department of
21	Revenue, the business entity shall submit a note of donation
22	which shall include the following:
23	(1) A description of the donated equipment, computer
24	software, supplies or services.
25	(2) An appraisal of the value of the donated equipment,
26	computer software, supplies or services.
27	(3) A statement by the donee that the donated equipment,
28	computer software, supplies or services have been received
29	and verifying that the equipment, computer software, supplies
30	or services will be used by a basic education higher
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1	education science partnership.
2	(4) An affidavit by the donee that no special
3	consideration was made in exchange for the donation.
4	Section 18. Limit on total credit.
5	The following limits are imposed on the tax credits made
6	available under this act:
7	(1) The total tax credit that may be claimed by any
8	single business entity shall not exceed \$150,000 in any one
9	<del>year.</del>
10	(2) The total amount of all tax credits authorized under
11	this act shall not exceed \$5,000,000 in any one fiscal year.
12	Section 19. Unused credit.
13	Any portion of a tax credit that remains unused during a
14	business entity's fiscal year may be applied against the tax
15	imposed under Article IV, VI, VII, VII A, VIII, VIII A, IX, X or
16	XV of the act of March 4, 1971 (P.L.6, No.2), known as the Tax
17	Reform Code of 1971, or any tax substituted in lieu thereof, for
18	the ensuing five fiscal years.
19	Section 20. Powers and duties of Department of Revenue.
20	The Department of Revenue has the power and its duty shall be
21	to adopt rules, regulations, procedures and forms that may be
22	necessary to implement the business tax credit program
23	authorized under this act.
24	Section 21. Reports.
25	The department shall file an annual report with the Governor
26	and with the chairman of the Education Committee of the Senate
27	and the chairman of the Education Committee of the House of
28	Representatives on the Basic Education Higher Education
29	Science Partnership Program by September 1 of each year. The
30	report shall describe the types of science partnerships created,
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1	the number of schools and school districts and elementary and
2	secondary education students participating in the program, a
3	detailed breakdown of the costs of the program and the impact of
4	the program on the level of scientific knowledge of school
5	<del>children.</del>
6	Section 22. Appropriation.
7	The sum of \$5,600,000, or as much thereof as may be
8	necessary, is hereby appropriated to the Department of Education
9	for fiscal year July 1, 1997, to June 30, 1998, and each year
10	thereafter, to effectuate the purposes of this act.
11	Section 23. Expiration.
12	This act shall expire June 30, 2002, unless extended by the
13	General Assembly.
14	Section 24. Effective date.
15	This act shall take effect in 60 days.
15 16	This act shall take effect in 60 days. SECTION 1. DEFINITIONS. <
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16 17 18 19 20 21 22 23 24 25	SECTION 1. DEFINITIONS. <

THE DEPARTMENT SHALL FILE A REPORT WITH THE GOVERNOR AND WITH THE CHAIRMAN OF THE EDUCATION COMMITTEE OF THE SENATE AND THE CHAIRMAN OF THE EDUCATION COMMITTEE OF THE HOUSE OF

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REPRESENTATIVES ON THE FEASIBILITY OF ESTABLISHING A 1 2 PENNSYLVANIA SCIENCE PARTNERSHIP PROGRAM BY JANUARY 1, 1998. THE 3 REPORT SHALL DESCRIBE THE TYPES OF SCIENCE PARTNERSHIPS CREATED 4 IN SELECTED COMMUNITIES OF THIS COMMONWEALTH, TO BE DETERMINED 5 BY THE SECRETARY OF EDUCATION. AT A MINIMUM, PROGRAMS OF THIS 6 TYPE IN PHILADELPHIA, PITTSBURGH AND AT JUNIATA COLLEGE AND 7 LEBANON VALLEY COLLEGE SHALL BE EXAMINED. THE DEPARTMENT SHALL 8 CONSIDER THE BENEFITS OF THE PARTNERSHIP AND THE INVOLVEMENT OF 9 SCHOOL DISTRICTS, HIGHER EDUCATION INSTITUTIONS AND SCIENCE 10 MUSEUMS. THE DEPARTMENT SHALL SURVEY SCHOOL DISTRICTS TO 11 DETERMINE THE NUMBER OF ELEMENTARY AND SECONDARY EDUCATION 12 STUDENTS PARTICIPATING IN VARIOUS SCIENCE PROGRAMS, A DETAILED 13 BREAKDOWN OF THE COSTS OF THESE PROGRAMS AND THE IMPACT OF THE 14 PROGRAMS ON THE LEVEL OF SCIENTIFIC KNOWLEDGE OF SCHOOL 15 CHILDREN.

16 SECTION 3. EFFECTIVE DATE.

17 THIS ACT SHALL TAKE EFFECT IMMEDIATELY.