

MEMORANDUM

TO: County Council

FROM: Robert H. Drummer, Legislative Attorney 

SUBJECT: **Public Hearing:** Bill 9-09, Schools and Camps – Grants for Teaching Science and Mathematics

Bill 9-09, Schools and Camps – Grants for Teaching Science and Mathematics, sponsored by Councilmember Knapp, was introduced on March 24, 2009. An Education Committee worksession will be scheduled at a later date.

Bill 9-09 would establish a grant program administered by the Department of Economic Development. The Bill would provide training grants to current mathematics and science teachers working in middle and high schools located in the County. The Bill would also provide grants to research universities located in the County to support certain master's degree programs that train students to teach middle and high school science and mathematics courses. Finally, the Bill would establish awards for certain teachers of advanced placement or international baccalaureate courses in mathematics and science in the County.

<u>This packet contains</u>	<u>Circle</u>
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Bill No. 9-09
Concerning; Schools and Camps –
Grants for Teaching Science and
Mathematics
Revised: March 25, 2009
Draft No. 3
Introduced: March 24, 2009
Expires: September 24, 2010
Enacted: _____
Executive: _____
Effective: _____
Sunset Date: _____
Ch. _____, Laws of Mont. Co. _____

**COUNTY COUNCIL
FOR MONTGOMERY COUNTY, MARYLAND**

By: Councilmembers Knapp, Leventhal, and Floreen

An Act to:

- (1) establish a grant program for updating skills of mathematics and science teachers in the County;
- (2) provide grants for certain master's degree programs in the County;
- (3) provide awards for certain teachers of mathematics and science courses in the County;
- (4) direct the Department of Economic Development to administer the program; and
- (5) generally enhance the teaching of mathematics and science in middle and high schools located in the County.

By adding

Montgomery County Code
Chapter 44, Schools and Camps
Article V, Grants for Teaching Math and Science

Boldface	Heading or a defined term.
<u>Underlining</u>	Added to existing law by original bill.
[Single boldface brackets]	Deleted from existing law by original bill.
<u>Double underlining</u>	Added by amendment.
[[Double boldface brackets]]	Deleted from existing law or the bill by amendment.
* * *	Existing law unaffected by bill.

The County Council for Montgomery County, Maryland approves the following Act:

1 **Sec. 1. Chapter 44 is amended by adding Article V as follows:**

2 **Article V. Grants for teaching science and mathematics.**

3 **44-51. Legislative findings.**

4 (a) The economic development of the County requires a well-prepared,
5 educated, trained, and adaptable workforce to meet the current and future
6 needs of County businesses.

7 (b) The County workforce needs strong mathematics and science skills to
8 successfully compete in a complex global economy.

9 (c) The economy of the County relies in part on the productivity of people well-
10 trained in mathematics and science.

11 (d) Montgomery College and the Universities at Shady Grove provide high
12 quality higher education in mathematics and science in the County.

13 (e) A grant program to enhance the skills of mathematics and science teachers
14 in middle and high schools in the County will promote the economic
15 development of the County.

16 **44-52. Definitions.**

17 Advanced placement course means a college level course approved by the College
18 Board for high school students.

19 Director means the Director of the Department of Economic Development or the
20 Director's designee.

21 International baccalaureate course means a college level course for high school
22 students under an academic curriculum approved by the International
23 Baccalaureate Organization.

24 Superintendent means the Superintendent of the Montgomery County Public
25 Schools or the Superintendent's designee.

26 **44-53. Matching grants for summer institutes.**

27 The Director must administer a matching grant program that:

28 (a) awards matching grants to current mathematics and science teachers in
 29 middle or high schools located in the County for attendance at a summer
 30 institute that:

31 (1) updates teachers on recent developments in science, mathematics, and
 32 technology;

33 (2) provides teachers with training on best practices for teaching middle
 34 and high school mathematics and science; and

35 (3) is approved by the Superintendent; and

36 (b) provides up to 50% of the cost of tuition for an approved institute.

37 **44-54. Master's degree programs for mathematics and science teachers.**

38 (a) The Director must administer a grant program to help fund the operation of a
 39 master's degree program that:

40 (1) provides advanced training in teaching middle and high school
 41 mathematics or science;

42 (2) offers a part time schedule for working professional teachers;

43 (3) provides classes located in the County; and

44 (4) is operated by a research university located in the County.

45 (b) A university must apply for a grant under this section on a form required by
 46 the Director.

47 (c) The Chief Administrative Officer must negotiate and execute a performance
 48 contract with a research university governing the expenditure of the grant.

49 **44-55. Awards for teaching advanced placement or international baccalaureate**
 50 **courses in mathematics or science.**

51 (a) The Director must administer a program that provides awards to persons
 52 who teach in any school located in the County:

53 (1) an advanced placement course in mathematics or science; or

54 (2) an international baccalaureate course in mathematics or science.

- 55 (b) A teacher is eligible for an award, subject to appropriation, of:
- 56 (1) \$1500 for each course; and
- 57 (2) \$100 for each student who achieves a score on the advanced
- 58 placement or international baccalaureate test sufficient to obtain
- 59 college credit for the course.
- 60 (c) A teacher must apply for an award under this section on a form provided by
- 61 the Director that requires certification by the school director or principal of
- 62 the teacher's school.
- 63 (d) The Council must set the amount of the awards allowed in each fiscal year
- 64 by resolution. If the Council takes no action for any year, the amount
- 65 allowed for the prior year also applies to that year.

66 **44-56. Regulations.**

67 The Executive must adopt regulations under Method 2 to implement this Article.

68 *Approved:*

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Philip M. Andrews, President, County Council Date

71 *Approved:*

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Isiah Leggett, County Executive Date

74 *This is a correct copy of Council action.*

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Linda M. Lauer, Clerk of the Council Date

LEGISLATIVE REQUEST REPORT

Bill 9-09

Schools and Camps – Grants for Teaching Science and Mathematics

DESCRIPTION:	<p>This Bill would:</p> <ol style="list-style-type: none">(1) establish a grant program for updating skills of mathematics and science teachers in the County;(2) provide grants for certain master's degree programs in the County;(3) provide awards for certain teachers of mathematics and science courses in the County;(4) direct the Department of Economic Development to administer the program; and(5) generally enhance the teaching of mathematics and science in middle and high schools located in the County.
PROBLEM:	<p>The County workforce needs strong mathematics and science skills to successfully compete in a complex global economy. The economy of the County relies in part on the productivity of people well-trained in mathematics and science. The County needs more well trained professionals to teach mathematics and science in middle and high schools located in the County.</p>
GOALS AND OBJECTIVES:	<p>To encourage more people to train to teach mathematics and science in middle and high schools in the County and to improve the opportunities for training those professionals.</p>
COORDINATION:	<p>Department of Economic Development</p>
FISCAL IMPACT:	<p>To be requested.</p>
ECONOMIC IMPACT:	<p>To be requested.</p>
EVALUATION:	<p>To be requested.</p>
EXPERIENCE ELSEWHERE:	<p>To be researched.</p>
SOURCE OF INFORMATION:	<p>Robert H. Drummer, Legislative Attorney</p>
APPLICATION WITHIN MUNICIPALITIES:	<p>To be researched.</p>
PENALTIES:	<p>None.</p>

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