

CR 91-161

CERTIFICATE

STATE OF WISCONSIN)
) SS
DEPARTMENT OF PUBLIC INSTRUCTION)

I, State Superintendent of the Department of Public Instruction and custodian of the official records of said Department, do hereby certify that the annexed rule relating to science, mathematics and technology education grants was duly approved and adopted by this Department on the first day of the month following publication in the Wisconsin Administrative Register.

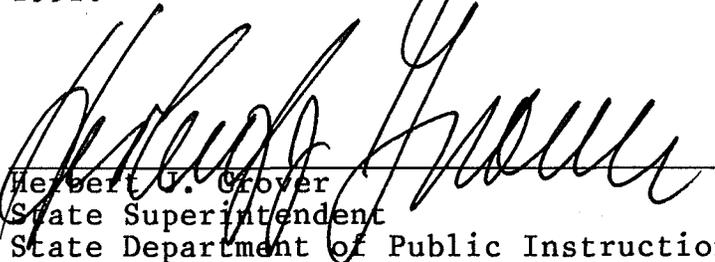
I further certify that said copy has been compared by me with the original on file in this Department and the same is a true copy thereof, and of the whole of such original.

RECEIVED

APR 14 1992

Revisor of Statutes
Bureau 1:07 p.m.

IN TESTIMONY WHEREOF, I hereunto set my hand and affixed the official seal of the Department at General Executive Facility (GEF) 3, 125 South Webster Street, P.O. Box 7841, in the city of Madison, this 10th day of April, 1991.


Herbert V. Grover
State Superintendent
State Department of Public Instruction

7-1-92

**ORDER OF THE
STATE SUPERINTENDENT OF PUBLIC INSTRUCTION
AMENDING RULES**

The state superintendent of public instruction hereby renumbers PI 31.07, amends PI 31.01(3), PI 31.02(2), (4)(a)5 and (b)4 and creates PI 31.06 to 31.08, and PI 31.09(5) to (7), relating to science, mathematics and technology education grants.

ANALYSIS BY THE DEPARTMENT OF PUBLIC INSTRUCTION

Statutory authority: ss. 115.392(7) and 227.11, Stats.

Statute interpreted: s. 115.392, Stats.

1991 Wisconsin Act 39 created three additional application categories under s. 115.392, Stats., for grants relating to science, mathematics and technology education. Previously, school districts could only apply for grants to establish a school and community partnership program to:

1. Pay a scientist, engineer or mathematician to work in the school district as a consultant to assist teachers and offer demonstrations and inservice training.
2. Establish science, mathematics and technology internships for pupils and teachers to work in business/industry in science and technology-related fields.
3. Develop or demonstrate biotechnology curriculum materials for use in education programs or to train instructors in their use.

In addition to these three categories, the Act allows school districts to apply for grants to:

1. Establish an environmental scientist-in-residence program to assist teachers and pupils in applying science, mathematics and technology education to community environmental projects.

2. Develop and implement an interdisciplinary program for pupils in elementary grades kindergarten through grade 5 involving laboratory and field experiences in basic research and experimental activities to stimulate interest in science, mathematics and technology.
3. Develop and implement a program designed to encourage girls and minority pupils to pursue advanced studies and careers in science, mathematics, engineering, research and technology-related fields.

The statute also permits the state superintendent to contract with a private, nonprofit organization for services under the program.

The proposed rules establish general requirements for proposals under the program and specific requirements for proposals in each of the 3 new application categories. Activities for which the state superintendent may elect to contract with a private, nonprofit organization to provide services under the 3 new categories are also described in the proposed rules.

Under s. 115.392(3)(a), Stats., no project may be funded under this chapter unless there is a matching fund contribution from the grant recipient of at least 50 percent of the cost of the project.

The rules were promulgated as emergency rules effective September 26, 1991, to allow the department to develop and distribute revised applications by October 1, and to allow time for school districts to develop proposals as well as to allow the state superintendent time to review the proposals and make grant awards for the program to operate by January 1, 1992.

1 **SECTION 1.** PI 31.01(3) is amended to read:

2 PI 31.01(3) "Professional scientist, engineer, ~~or~~ mathematician or environmental
3 scientist" means a person who is, or has been, one of the following:

4 **SECTION 2.** PI 31.02(2), (4)(a)5 and (b)4 are amended to read:

5 PI 31.02(2) As specified in s. 115.392(2), Stats., the state superintendent may award
6 a grant for the establishment of a school and community partnership program designed
7 to promote the interaction of pupils and teachers with professional scientist, engineers,

1 ~~and~~ mathematicians, and environmental scientists. The grant recipient may use the funds
2 for a program under ss. PI 31.03,~~31.04 or 31.05~~ to 31.08.

3 (4)(a)5 Any additional requirements in ss. PI 31.03 to ~~31.05~~ 31.08.

4 (b)4 To the extent possible, grants shall be equitably distributed among projects in
5 the categories under ss. PI 31.03 to ~~31.05~~ 31.08.

6 **SECTION 3.** PI 31.03(intro.) is renumbered PI 31.03(1) and as renumbered, PI
7 31.03(1)(b)2 is amended to read:

8 PI 31.03(1)(b)2. Demonstrations to classes of practical applications of science,
9 mathematics or technology. ~~The professional scientist, engineer or mathematician may~~
10 ~~not be given an assignment to teach a class or a specific class period in lieu of a licensed~~
11 ~~teacher, nor to replace any school district employe on either a short term or a long term~~
12 ~~basis.~~

13 **SECTION 4.** PI 31.03(2) is created to read:

14 PI 31.03(2) A professional scientist, engineer or mathematician whose salary is paid
15 for by a grant under this section, may not be given an assignment to teach a class or a
16 specific class period in lieu of a licensed teacher, nor to replace any school district
17 employe on either a short-term or a long-term basis.

18 **SECTION 5.** PI 31.07 is renumbered PI 31.09.

19 **SECTION 6.** PI 31.06 to 31.08 are created to read:

20 PI 31.06 ENVIRONMENTAL SCIENTIST-IN-RESIDENCE PROGRAM.

21 (1) Under s. 115.392(2)(d), Stats., a grant may be made to pay the salary of an

1 environmental scientist, who is not a school board employe of the grant recipient, to
2 work at least one week but not more than the 18-month grant period as a consultant to
3 the school district to assist teachers and pupils in applying science, mathematics and
4 technology education to community environmental projects through demonstrations and
5 in-service training. A grant application under this section shall include the following:

6 (a) A vita or other information describing the qualifications of the environmental
7 scientist.

8 (b) A description of the services or training the environmental scientist will
9 provide, such as the following:

10 1. Inservice training to enable teachers to improve their instruction through
11 knowledge of the practical applications of environmental science issues.

12 2. Demonstrations to classes of practical applications of environmental science
13 topics.

14 3. Consultation, direction and ongoing assistance by an environmental scientist-in-
15 residence for a particular project involving the applications of environmental sciences.

16 4. Other projects which will promote interaction of the environmental scientist with
17 pupils and teachers.

18 (c) The period of time the environmental scientist will work in the school district
19 and the amount which she or he will be paid. The fees paid shall be in accordance with
20 school district policy.

21 (d) A description of all costs of the project, including how the 50% matching

1 contribution will be met.

2 (e) The amount of time the environmental scientist will work in the school district.

3 (2) An environmental scientist whose salary is paid for by a grant under this
4 section, may not be given an assignment to teach a class or specific class period in lieu of
5 a licensed teacher and may not replace any school district employe on either a short-term
6 or long-term basis.

7 PI 31.07 INTERDISCIPLINARY PROGRAM FOR PUPILS IN ELEMENTARY
8 GRADES. Under s. 115.392(2)(e), Stats., a grant may be made to develop an
9 interdisciplinary program for pupils in elementary grades kindergarten to grade 5
10 involving laboratory and field experiences in basic research and experimental activities.
11 This program shall be designed to stimulate an interest and to continue to motivate
12 students in science, mathematics, and technology. Only projects suitable as a model and
13 adaptable by other school districts shall be considered for funding under this section. An
14 application under this section shall include the following:

15 (1) A description of the proposed project, including the rationale, goals and
16 learner outcomes, instructional plan, and student assessment procedures.

17 (2) A plan for the evaluation of the project.

18 (3) A description of all costs of the project, including how the 50% matching
19 contribution will be met.

20 PI 31.08 PROGRAMS DESIGNED FOR UNDERSERVED POPULATIONS.

21 Under s. 115.392(2)(f), Stats., a grant may be made to develop a program designed to

1 encourage girls and minority group pupils to pursue advanced studies and careers in
2 science, mathematics, engineering, research and technology-related fields. An application
3 under this section shall include the following:

4 (1) A description of the proposed project, including the rationale, goals and
5 learner outcomes, instructional plan, and student assessment procedures.

6 (2) A plan for the evaluation of the project.

7 (3) A description of all costs of the project, including how the 50% matching
8 contribution will be met.

9 **SECTION 7.** PI 31.09 (5) to (7) are created to read:

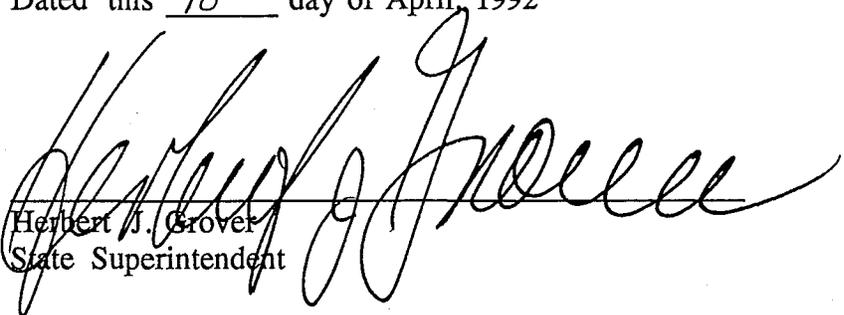
10 PI 31.09(5) Locating and hiring qualified environmental scientists to work with
11 school districts as described in s. 115.392(2)(d), Stats. The private, nonprofit organization
12 shall submit an application which includes, for each school district receiving the services,
13 all of the information required under s. PI 31.06. Fifty percent of the cost of the services
14 of the project shall be paid from the contract under this section, the other 50% shall be
15 paid by the grant recipient as the required 50% matching contribution.

16 (6) Development and implementation of an interdisciplinary program for pupils in
17 elementary grades kindergarten through grade 5 as described in s. 115.392(2)(e), Stats.

18 (7) Development and implementation of a program designed to encourage girls
19 and minority group pupils to pursue advanced studies and careers in science,
20 mathematics, engineering, research and technology-related fields as described in s.
21 115.392(2)(f), Stats.

The rules contained in this order shall take effect on the first day of the month commencing after the date of publication in the Wisconsin Administrative Register, as provided in s. 227.22(2)(intro.), Stats.

Dated this 10th day of April, 1992


Herbert J. Grover
State Superintendent