

CR 89-185

RECEIVED

FEB 26 1990

J. W.
Revisor of Statutes
Bureau

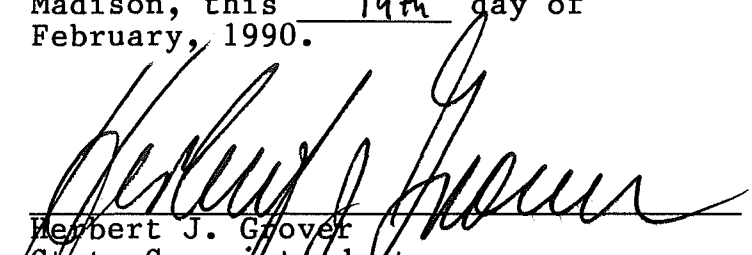
CERTIFICATE

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.

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 19th day of February, 1990.


Herbert J. Grover
State Superintendent
State Department of Public Instruction

5-1-90

RECEIVED

CHR 89-185

2/15/90

Page 1

FEB 26 1990

Revisor of Statutes
Bureau

ORDER OF THE
STATE SUPERINTENDENT OF PUBLIC INSTRUCTION
CREATING RULES

1 The state superintendent of public instruction hereby creates ch. PI 31, relating
2 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.

1989 Wisconsin Act 31 created s. 115.392, Stats., which establishes the science, mathematics and technology grant program. Under the program, school districts may 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 field.
3. Develop or demonstrate biotechnology curriculum materials for use in education programs or to train instructors in their use.

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 categories, including primary and secondary criteria for funding and a description of activities which will be considered for funding under the program; and a description of what activities the state superintendent may elect to contract with a private, nonprofit organization to provide.

The rules were promulgated as emergency rules effective November 14, 1989, to allow the state superintendent to make grant awards for the 1989-90 school year.

RECEIVED

CHR 89-185

2/15/90

Page 2

FEB 26 1990

Revisor of Statutes
Bureau

1 SECTION 1. Chapter PI 31 is created to read:

CHAPTER PI 31

SCIENCE, MATHEMATICS AND TECHNOLOGY EDUCATION GRANTS

2 PI 31.01 DEFINITIONS. In this chapter:

3 (1) "Business/industry" means a business, industry, institution of higher learning or
4 other agency in science and technology-related fields.

5 (2) "CESA" means a cooperative educational service agency created under
6 ch. 116, Stats.

7 (3) "Professional scientist, engineer or mathematician" means a person who is, or
8 has been, one of the following:

9 (a) Primarily involved in applying science, engineering or technology, or
10 mathematics knowledge.

11 (b) Primarily involved in training in industrial or academic research and
12 development.

13 (c) A teacher of persons under par. (a) or (b).

14 (4) "School board" has the meaning given in s. 115.001 (7), Stats.

15 (5) "66.30 agreement" means an agreement between 2 or more school districts or
16 other municipality as defined under s. 66.30 (1) (a), Stats.

17 (6) "State superintendent" means the state superintendent of public instruction for
18 the state of Wisconsin.

19 (7) "UW center" means a center of the university of Wisconsin system as defined
20 in s. 36.05 (4), Stats.

21 (8) "UW institution" means an institution of the university of Wisconsin system as
22 defined in s. 36.05 (9), Stats.

1 (9) "VTAE" means a vocational, technical and adult education district established
2 under ch. 38, Stats.

3 PI 31.02 SCIENCE, MATHEMATICS AND TECHNOLOGY EDUCATION GRANTS.

4 (1) Under s. 115.392, Stats., a school board, or a school board in cooperation with
5 one or more of the following, may apply to the state superintendent for a science,
6 mathematics and technology education grant:

7 (a) Another school board under a 66.30 agreement.

8 (b) A CESA board as specified in s. 116.03 (3), Stats.

9 (c) A VTAE district board under a 66:30 agreement.

10 (d) A UW institution or center under a 66:30 agreement.

11 (2) As specified in s. 115.392 (2), Stats., the state superintendent may award a
12 grant for the establishment of a school and community partnership program designed to
13 promote the interaction of pupils and teachers with professional scientists, engineers and
14 mathematicians. The grant recipient may use the funds for a program under s. PI 31.03,
15 31.04 or 31.05.

16 (3) As specified in s. 115.392 (3) (a), Stats., a school board which receives a grant
17 under s. 115.392, Stats., and this chapter shall provide a matching contribution of at least
18 50% of the cost of the project. Private funds and in-kind contributions may be used to
19 meet the matching fund requirement and the school board shall provide assurances that
20 the requirements of s. 115.392 (4), Stats., will be met.

21 (4) (a) Priority in awarding grants shall be given to projects which best meet the
22 following criteria:

23 1. Shows active involvement of the business community and appropriate private
24 agencies within the community in the planning and operation of the project.

25 2. Contains measurable goals and objectives for the project, including both
26 teacher and pupil outcomes.

1 3. Shows how the project will improve the school district's instruction in science,
2 mathematics or technology.

3 4. Includes contributions or participation from the business community as all or
4 part of the required 50% match.

5 5. Any additional requirements in ss. PI 31.03 to 31.05.

6 (b) Secondary criteria in awarding grants shall include the following:

7 1. To the extent possible, awards will benefit the greatest number of school
8 districts, pupils and teachers. Therefore, preference in awarding grants may be given to
9 projects developed and operated in cooperation with other educational agencies as
10 described in sub. (1).

11 2. To the extent possible, the grants shall be distributed equally throughout the
12 state.

13 3. To the extent possible, grants shall be awarded to school districts of varying
14 sizes, as determined by enrollment.

15 4. To the extent possible, grants shall be equitably distributed among projects in
16 the categories under ss. PI 31.03 to 31.05.

17 **PI 31.03 SCIENCE, MATHEMATICS AND TECHNOLOGY EDUCATION CONSULTANTS.**

18 Under s. 115.392 (2) (a), Stats., a grant may be made to pay the salary of a professional
19 scientist, engineer or mathematician, who is not a school board employe, to work at least
20 one week but not more than one school year as a consultant to the school district to assist
21 teachers and offer demonstrations and in-service training. A grant application under this
22 section shall include the following:

23 (1) A vita or other information describing the qualifications of the professional
24 scientist, engineer or mathematician.

25 (2) A description of the services or training the professional scientist, engineer or
26 mathematician will provide, such as the following:

1 (a) Inservice training to enable teachers to improve their instruction through
2 knowledge of the practical application of science, mathematics or technology.

3 (b) Demonstrations to classes of practical applications of science, mathematics or
4 technology. The professional scientist, engineer or mathematician may not be given an
5 assignment to teach a class or a specific class period in lieu of a licensed teacher, nor to
6 replace any school district employe on either a short-term or a long-term basis.

7 (c) Scientist, engineer or mathematician-in-residence.

8 (d) Consultation, direction and ongoing assistance for a particular project
9 involving the practical application of science, mathematics or technology.

10 (e) Other projects which will promote interaction of the professional scientist,
11 engineer or mathematician with pupils and teachers.

12 (3) The period of time the professional scientist, engineer or mathematician will
13 work in the school district and the amount which she or he will be paid. The fees paid
14 shall be in accordance with school district policy.

15 (4) A description of all costs of the project, including how the 50% matching
16 contribution will be met.

17 (5) The amount of time the professional scientist, engineer or mathematician will
18 work in the school district.

19 **PI 31.04 SCIENCE, MATHEMATICS AND TECHNOLOGY INTERNSHIPS.** Under
20 s. 115.392 (2) (b), Stats., a grant may be made to establish science, mathematics and
21 technology internships in which pupils and teachers may work with a Wisconsin
22 business/industry, part time during the school term or full time during the summer. A
23 grant application under this section shall include the following:

24 (1) Information about the business/industry where the internship will be served,
25 including the name of the business/industry, a description of the business, industry or
26 research in which it is involved, the name of the person who will be responsible for the
27 project, the location and other relevant information.

1 (2) A detailed job description for the internship. If the job is performed by a
2 pupil, all applicable laws relating to the employment of minors shall be followed.

3 (3) General and specific objectives to be accomplished.

4 (4) An explanation of how the internship will meet the needs of the teacher, the
5 pupil or the school district.

6 (5) A description of how the internship relates to the school district's science,
7 mathematics or technology education curriculum.

8 (6) The amount which the teacher or pupil will be paid for the internship. The
9 amount which the teacher will be paid shall be established cooperatively with the
10 business/industry and the school board.

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

13 (8) Assurance from each business/industry participating in the internship program
14 that no person employed by the business/industry will be terminated from employment,
15 laid-off or otherwise displaced as a result of that business/industry participating in the
16 program.

17 **PI 31.05 DEVELOPMENT OR DEMONSTRATION OF BIOTECHNOLOGY CURRICULUM**

18 **MATERIALS.** Under s. 115.392 (2) (c), Stats., a grant may be made to develop or
19 demonstrate biotechnology curriculum for use in educational programs or to train
20 instructors in their use. Only projects suitable as a model usable or adaptable by other
21 school districts shall be considered for funding under this section. An application under
22 this section shall include the following:

23 (1) A description of the proposed project, including the rationale, goals and
24 objectives and instructional plan.

25 (2) A plan for evaluation of the curriculum developed under the project.

1 (3) A description of how the following requirements in s. 115.392 (4m), Stats., will
2 be met:

3 (a) Curriculum materials shall be balanced in their approach to biotechnology and
4 include social, economic and environmental concerns.

5 (b) Curriculum materials shall be made available to interested schools and other
6 educational institutions at a reasonable cost.

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

9 **PI 31.07 CONTRACT UNDER S. 115.392 (3) (b), STATS.** Under s. 115.392 (3) (b),
10 Stats., the state superintendent may contract with a private, nonprofit organization for
11 the services under s. 115.392 (2), Stats., but no more than 7.5% of the total amount
12 awarded for projects under s. 115.392 (2), Stats., may be used for such a contract. The
13 contract may include the following services:

14 (1) Locating and hiring qualified professional scientists, engineers and
15 mathematicians to work with school districts as described in s. 115.392 (2) (a), Stats. The
16 private, nonprofit organization shall submit an application which includes, for each school
17 district receiving the services, all of the information required under s. PI 31.03. Fifty
18 percent of the cost of the services of the project shall be paid from the contract under
19 this section, the other 50% shall be paid by the grant recipient as the required 50%
20 matching contribution.

21 (2) Locating and arranging with appropriate business/industry to establish science,
22 mathematics and technology internships as described in s. 115.392 (2) (b), Stats. The
23 private, nonprofit organization shall submit an application which includes, for each school
24 district participating in the internship program, all of the information required under s. PI
25 31.04. Fifty percent of the cost of the project shall be paid from the contract under this
26 section, the other 50% shall be paid by the grant recipient as the required 50% matching
27 contributions.

1 (3) Development of biotechnology curriculum materials as described in s. 115.392

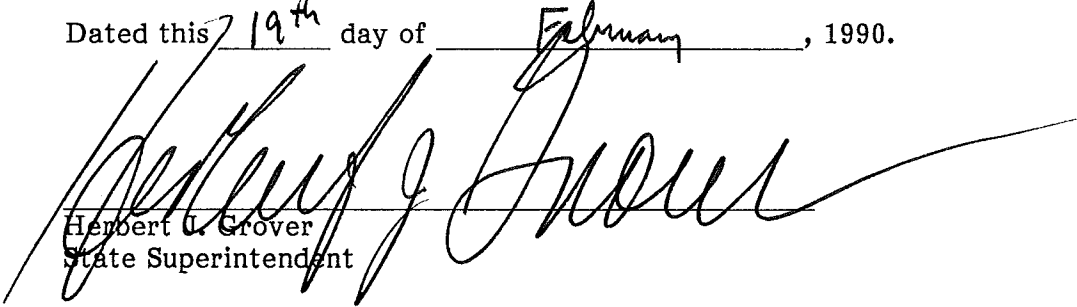
2 (2) (c), Stats.

3 (4) Demonstrating biotechnology curriculum materials or training teachers in
4 their use. Each school district in which the curriculum materials are demonstrated, or
5 which has teachers participating in the training shall pay 50% of the cost of the demon-
6 stration or training.

NOTE: PI-3103, Grant Application for Science, Math, and Technology Education, may be obtained by writing to the Wisconsin Department of Public Instruction, Bureau for Program Development, P.O. Box 7841, Madison, Wisconsin 53707-7841.

The rules contained in this order shall take effect upon publication in the Wisconsin Administrative Register, as provided in s. 227.22 (2) (intro.), Stats.

Dated this 19th day of February, 1990.


Herbert U. Grover
State Superintendent

X53L