

# 2001 Current Fiscal Year Report: National Commission on Mathematics and Science Teaching for the 21st Century

Report Run Date: 02/04/2023 06:31:46 AM

<b>1. Department or Agency</b>	<b>2. Fiscal Year</b>
Department of Education	2001
<b>3. Committee or Subcommittee</b>	<b>3b. GSA Committee No.</b>

National Commission on Mathematics and Science Teaching for the 21st Century	5267
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<b>4. Is this New Fiscal Year?</b>	<b>5. Current Charter</b>	<b>6. Expected Renewal Date</b>	<b>7. Expected Term Date</b>
No	04/06/1999		12/31/2000

<b>8a. Was Terminated During Fiscal Year?</b>	<b>8b. Specific Termination Authority</b>	<b>8c. Actual Term Date</b>
Yes		12/27/2000

<b>9. Agency Recommendation for Next Fiscal Year</b>	<b>10a. Legislation Req to Terminate?</b>	<b>10b. Legislation Pending?</b>
Terminate	No	

<b>11. Establishment Authority</b>	Agency Authority		
<b>12. Specific Establishment Authority</b>	<b>13. Effective Date</b>	<b>14. Committee Type</b>	<b>14c. Presidential?</b>
	03/23/1999	Ad hoc	No

**15. Description of Committee** National Policy Issue Advisory Board

**16a. Total Number of Reports** No Reports for this Fiscal Year

**17a. Open** 0 **17b. Closed** 0 **17c. Partially Closed** 0 **Other Activities** 0 **17d. Total** 0

**Meetings and Dates**  
No Meetings

	Current FY	Next FY
<b>18a(1). Personnel Pmts to Non-Federal Members</b>	\$0.00	\$0.00
<b>18a(2). Personnel Pmts to Federal Members</b>	\$0.00	\$0.00
<b>18a(3). Personnel Pmts to Federal Staff</b>	\$98,122.00	\$0.00
<b>18a(4). Personnel Pmts to Non-Member Consultants</b>	\$0.00	\$0.00
<b>18b(1). Travel and Per Diem to Non-Federal Members</b>	\$4,928.00	\$0.00
<b>18b(2). Travel and Per Diem to Federal Members</b>	\$0.00	\$0.00
<b>18b(3). Travel and Per Diem to Federal Staff</b>	\$0.00	\$0.00
<b>18b(4). Travel and Per Diem to Non-member Consultants</b>	\$0.00	\$0.00
<b>18c. Other(rents,user charges, graphics, printing, mail, etc.)</b>	\$4,218.00	\$0.00
<b>18d. Total</b>	\$107,268.00	\$0.00
<b>19. Federal Staff Support Years (FTE)</b>	0.63	0.00

**20a. How does the Committee accomplish its purpose?**

The final months of the Commission were primarily devoted to disseminating its report, *Before It's Too Late*, publicizing the recommendations, and concluding the work of the Commission. The report focused on three goals and a series of concrete steps or action strategies that the many stakeholders in mathematics and science teaching -- teachers and parents, schools, districts, states, higher education institutions, the business community, as well as the Federal government -- could take to achieve the goals.

Accordingly, the report was sent with a letter from the chair or Commission members to a wide audience, asking the recipients to read the report and do their part to implement the recommendations. Letters were sent to members of Congress, governors, school board members, university and college presidents and deans, teachers, math, science, and education associations, chief state school officers, state legislators, and others. Efforts were made to publicize the recommendations through numerous speaking engagements, contacts with the general media, trade press, and relevant associations, by posting information in trade publications, in association and other newsletters, and on the web and on electronic listservs. While the Commission's recommendations for action included steps to be taken by the Federal government, it did not charge specific agencies. Rather it suggested the kinds of programs, resources, and support required from the Federal government to implement the goals.

**20b. How does the Committee balance its membership?**

The Commission was comprised of a diverse and talented group of 25 members and 8 ex officio members who represented many of the stakeholders in mathematics and science teaching, including business and education leaders; public officials at the Federal, national, State, and local levels; and teachers of mathematics and science.

**20c. How frequent and relevant are the Committee Meetings?**

No additional meetings.

**20d. Why can't the advice or information this**

**committee provides be obtained elsewhere?**

High quality teaching is critical to improving student achievement in mathematics and science. There has been considerable study and numerous efforts focused on the preparation and support of teachers for quite some time. Nevertheless, math and science teaching in the nation is not what it should be. Far too many U.S. students finish high school without mastering the challenging mathematics and science necessary for success in higher education and in the competitive knowledge-based economy of the 21st century. Unfortunately, many of those who provide mathematics and science instruction today lack the appropriate credentials and licensure for the subjects they teach, and many of those who are appropriately certified are under-prepared in their disciplines. Equally problematic is that most teachers do not have opportunities to collaborate and reflect on the process of teaching and learning in order to improve their professional practice. Future teacher shortages--especially in mathematics and science--and student population growth are likely to exacerbate these problems. The Commission focused on cutting-edge efforts and considered what significant changes need to be made to improve the quality of math and science teaching in classrooms K-12 in order to improve student achievement in these areas.

**20e. Why is it necessary to close and/or partially closed committee meetings?**

N/A

**21. Remarks**

This Commission terminated on December 31, 2000.

## Designated Federal Officer

Linda P. Rosen Executive Director and DFO

Committee Members	Start	End	Occupation	Member Designation
Alberts, Bruce	06/09/1999	12/27/2000	President, National Academy of Sciences	Special Government Employee (SGE) Member
Ball, Deborah	06/09/1999	12/27/2000	professor of mathematic education	Special Government Employee (SGE) Member
Barrett, Craig	06/09/1999	12/27/2000	President and CEO, Intel Corp.	Special Government Employee (SGE) Member
Briars, Diane	06/09/1999	12/27/2000	mathematics director, Pittsburgh Public Schools	Special Government Employee (SGE) Member
Chestnut, Cynthia	06/09/1999	12/27/2000	member, Florida House	Special Government Employee (SGE) Member
Colwell, Rita	06/09/1999	12/27/2000	Director, National Science Foundation	Special Government Employee (SGE) Member
Feldman, Sandra	06/09/1999	12/27/2000	President, American Federation of Teachers	Special Government Employee (SGE) Member
Geringer, James	06/09/1999	12/27/2000	Governor	Special Government Employee (SGE) Member
Glenn, John	06/09/1999	12/27/2000	former U.S. Senator and astronaut	Special Government Employee (SGE) Member
Goldin, Daniel	06/09/1999	12/27/2000	Administrator, NASA	Special Government Employee (SGE) Member

Gonzalez, Javier	06/09/1999	12/27/2000	mathematics teacher	Special Government Employee (SGE) Member
Grignon, Gerilyn	06/09/1999	12/27/2000	V.P., Academic Affairs	Special Government Employee (SGE) Member
Himmelstein, Jeffrey	06/09/1999	12/27/2000	supervisor of science instruction	Special Government Employee (SGE) Member
Holt, Rush	06/09/1999	12/27/2000	U.S. Representative	Special Government Employee (SGE) Member
Hunt, James	06/09/1999	12/27/2000	Governor	Special Government Employee (SGE) Member
Jeffords, James	06/09/1999	12/27/2000	U.S. Senator	Special Government Employee (SGE) Member
Jolly, Anne	06/09/1999	12/27/2000	Science Department Chair and science teacher	Special Government Employee (SGE) Member
Keenan, Nancy	06/09/1999	12/27/2000	Montana superintendent of public instruction	Special Government Employee (SGE) Member
Kennedy, Edward	06/09/1999	12/27/2000	U.S. Senator	Special Government Employee (SGE) Member
Kimmelman, Paul	06/09/1999	12/27/2000	Superintendent, West Northfield School District	Special Government Employee (SGE) Member
Kirwan, William	06/09/1999	12/27/2000	President, The Ohio State University	Special Government Employee (SGE) Member

Lane, Neal	06/09/1999	12/27/2000	Assistant to the President and Director, Office of Science and Technology Policy	Special Government Employee (SGE) Member
Lopez-Freeman, Maria	06/09/1999	12/27/2000	executive director, California Science Project	Special Government Employee (SGE) Member
Massey, Walter	06/09/1999	12/27/2000	President, Morehouse College	Special Government Employee (SGE) Member
Metts, Iris	03/28/2000	12/27/2000	Superintendent, Prince George's County (MD) Public Schools	Special Government Employee (SGE) Member
Morella, Connie	06/09/1999	12/27/2000	U.S. Representative	Special Government Employee (SGE) Member
Richardson, Bill	06/09/1999	12/27/2000	Secretary of Energy	Special Government Employee (SGE) Member
Riley, Richard	06/09/1999	12/27/2000	Secretary of Education	Special Government Employee (SGE) Member
Rust, Edward	06/09/1999	12/27/2000	Chairman and CEO, State Farm Mutual Automobile Insurance Company	Special Government Employee (SGE) Member
Slater, Rodney	06/09/1999	12/27/2000	Secretary of Transportation	Special Government Employee (SGE) Member
Smith, Jerome	06/09/1999	12/27/2000	Chancellor for Education and Professional Development, DOD	Special Government Employee (SGE) Member
Tien, Chang-Lin	06/09/1999	12/27/2000	Professor of Engineering, Univ. of Calif., Berkeley	Special Government Employee (SGE) Member

Van Roekel,  
Dennis

06/09/1999 12/27/2000

Secretary-Treasurer,  
NEA

Special  
Government  
Employee  
(SGE)  
Member

**Number of Committee Members Listed: 33**

## Narrative Description

**What are the most significant program outcomes associated with this committee?**

Checked if  
Applies

- Improvements to health or safety
- Trust in government
- Major policy changes
- Advance in scientific research
- Effective grant making
- Improved service delivery
- Increased customer satisfaction
- Implementation of laws or regulatory requirements
- Other

## Outcome Comments

**What are the cost savings associated with this committee?**

Checked if Applies

- None
- Unable to Determine
- Under \$100,000
- \$100,000 - \$500,000
- \$500,001 - \$1,000,000
- \$1,000,001 - \$5,000,000
- \$5,000,001 - \$10,000,000
- Over \$10,000,000



Cost Savings Other

### Cost Savings Comments

What is the approximate Number of recommendations produced by this committee for the life of the committee?

0

### Number of Recommendations Comments

What is the approximate Percentage of these recommendations that have been or will be Fully implemented by the agency?

%

### % of Recommendations Fully Implemented Comments

What is the approximate Percentage of these recommendations that have been or will be Partially implemented by the agency?

%

### % of Recommendations Partially Implemented Comments

Does the agency provide the committee with feedback regarding actions taken to implement recommendations or advice offered?

Yes  No  Not Applicable

### Agency Feedback Comments

What other actions has the agency taken as a result of the committee's advice or recommendation?

Checked if Applies

Reorganized Priorities

Reallocated resources

Issued new regulation

- Proposed legislation
- Approved grants or other payments
- Other

**Action Comments**

**Is the Committee engaged in the review of applications for grants?**

No

**Grant Review Comments**

**How is access provided to the information for the Committee's documentation?**

Checked if Applies

- Contact DFO
- Online Agency Web Site
- Online Committee Web Site
- Online GSA FACA Web Site
- Publications
- Other

**Access Comments**