

## 2025 Current Fiscal Year Report: Advisory Committee for STEM Education

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<b>1. Department or Agency</b>		<b>2. Fiscal Year</b>	
National Science Foundation		2025	
<b>3. Committee or Subcommittee</b>		<b>3b. GSA Committee No.</b>	
Advisory Committee for STEM Education		1119	
<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	06/28/2023	06/28/2025	
<b>8a. Was Terminated During Fiscal Year?</b>	<b>8b. Specific Termination Authority</b>	<b>8c. Actual Term Date</b>	
Yes	NSF Staff Memorandum OD 25-26 pursuant to E.O. 14217, Commencing the Reduction of the Federal Bureaucracy, Section 2(g).	04/15/2025	
<b>9. Agency Recommendation for Next Fiscal Year</b>	<b>10a. Legislation Req to Terminate?</b>	<b>10b. Legislation Pending?</b>	
Terminate	No	Not Applicable	
<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>
ADM IV-100	03/05/1984	Continuing	No
<b>15. Description of Committee</b> Scientific Technical Program Advisory Board			
<b>16a. Total Number of Reports</b>	No Reports for this Fiscal Year		

17a. 1 17b. Closed 0 17c. Partially Closed 0 Other Activities 0 17d. Total 1  
 Open

**Meetings and Dates**

Purpose	Start	End
To provide advice to the Foundation's science, technology, engineering, and mathematics (STEM) education and human resources programming.	11/13/2024	11/14/2024

**Number of Committee Meetings Listed: 1**

	Current FY	Next FY
<b>18a(1). Personnel Pmts to Non-Federal Members</b>	\$16,560.00	\$0.00
<b>18a(2). Personnel Pmts to Federal Members</b>	\$0.00	\$0.00
<b>18a(3). Personnel Pmts to Federal Staff</b>	\$1,867.00	\$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>	\$7,153.00	\$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>	\$5,699.00	\$0.00
<b>18b(4). Travel and Per Diem to Non-member Consultants</b>	\$0.00	\$0.00
<b>18c. Administrative Costs (FRNs, contractor support, In-person/hybrid/virtual meetings)</b>	\$3,600.00	\$0.00
<b>18d. Other (all other funds not captured by any other cost category)</b>	\$0.00	\$0.00
<b>18e. Total Costs</b>	\$34,879.00	\$0.00
<b>19. Federal Staff Support Years (FTE)</b>	0.02	0.00

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

The advisory committee members are given extensive reviews of the directorate's programs and special activities, including reports on education research, planning and policy, evaluation and oversight, and communication and indicators. The full Advisory Committee receives reviews of and reports on NSF science, technology, engineering, and mathematics (STEM) education programs, including evaluation and dissemination activities, required reports to the Congress, fellowship and traineeship programs, international student assessments, undergraduate STEM education, STEM teacher education, planning of educational conferences, and general overviews of the precollege, undergraduate and graduate program activities. The committee provides advice and counsel concerning long-term strategic planning including, though not limited to, the organization and possible reorganization of the EDU Directorate, integration of research and education, programmatic focus, strategic priorities, partnership, and investments in STEM learning and learning environments, broadening participation, and STEM professional workforce.

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

Membership consists of leaders from higher education, the science, engineering, and education professoriate, private foundations, and state-wide education and policy-making communities. Members include: research scientists, mathematicians, and engineers of international stature; educational leaders in the private and public sectors; key academic, industrial, and state-level education administrators; and administrators from major school systems, liberal arts colleges,

comprehensive universities and research universities. Characteristically, all exemplify a strong commitment to excellence in STEM education. Ethnic and gender diversity ensure a wide variety of views being expressed and result in a broad and balanced perspective for the generation of recommendations.

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

Two meetings of the full committee are held each year at approximately six-month intervals. Meeting agendas include discussion of STEM education policy issues of national importance, review of NSF programs and their effectiveness (including approval of Reports from Committee of Visitors). Bi-annual meetings are required to provide regular advice and counsel on NSF education programs and to ensure currency and relevance of strategies for improving science, mathematics and engineering education.

**20d. Why can't the advice or information this committee provides be obtained elsewhere?**

For sensitive and effective medium-and long-range planning and management of its diverse programs, EDU needs broad and general advice from a continuing body of interested and well-informed persons knowledgeable of both NSF's education programs and the constituencies they are designed to serve. For those purposes, EDU has one and only one directorate-level advisory body. It is the only body providing to the Assistant Director of EDU and staff the broad general advice from the informed public that the directorate needs. No other group or combination of groups is available to fill this role.

**20e. Why is it necessary to close and/or**

## partially closed committee meetings?

N/A

### 21. Remarks

Advisory Committee for STEM Education terminated on April 15, 2025, per NSF Staff Memorandum OD 25-26 pursuant to E.O. 14217, Commencing the Reduction of the Federal Bureaucracy, Section 2(g).

### Designated Federal Officer

James L. Moore Assistant Director for STEM Education (EDU)

Committee Members	Start	End	Occupation	Member Designation
Brayboy, Bryan	03/21/2023	04/15/2025	Northwestern University	Special Government Employee (SGE) Member
Campbell, David	04/23/2024	04/15/2025	University of Connecticut	Special Government Employee (SGE) Member
D'Mello, Sidney	04/23/2024	04/15/2025	University of Colorado at Boulder	Special Government Employee (SGE) Member
Diamond, Judy	04/23/2024	04/15/2025	University of Nebraska Lincoln	Special Government Employee (SGE) Member
Espinosa, Lorelle	10/04/2022	04/15/2025	Alfred P. Sloan Foundation	Special Government Employee (SGE) Member
Gilbert, Juan	03/03/2022	04/15/2025	University of Florida	Special Government Employee (SGE) Member
Harrison, David	05/21/2024	04/15/2025	Columbus State Community College	Special Government Employee (SGE) Member
Henriquez, Andres	03/21/2023	04/15/2025	Education Development Center	Special Government Employee (SGE) Member
Iruka, Iheoma	03/21/2023	04/15/2025	University of North Carolina Chapel Hill	Special Government Employee (SGE) Member

Johnson, Odis	05/22/2024	04/15/2025	Johns Hopkins University	Special Government Employee (SGE) Member
Jones, Erick	03/21/2023	04/15/2025	University of Nevada Reno	Special Government Employee (SGE) Member
Lee, Okhee	04/23/2024	04/15/2025	New York University	Special Government Employee (SGE) Member
Nave, Felicia	03/21/2023	04/15/2025	Alcorn State University	Special Government Employee (SGE) Member
Nunez, Anne-Marie	03/21/2023	04/15/2025	University of Texas-El Paso	Special Government Employee (SGE) Member
Posselt, Julie	03/21/2023	04/15/2025	University of Southern California	Special Government Employee (SGE) Member
Roschelle, Jeremy	09/21/2021	04/15/2025	Digital Promise Global	Special Government Employee (SGE) Member
Shaffer, David	04/23/2024	04/15/2025	University of Wisconsin Madison	Special Government Employee (SGE) Member
Strutchens, Marilyn	04/16/2023	04/15/2025	Auburn University	Special Government Employee (SGE) Member
Talley, Cheryl	04/23/2024	04/15/2025	Virginia State University	Special Government Employee (SGE) Member

### **Number of Committee Members Listed: 19**

### **Narrative Description**

The NSF mission is set out in the NSF Act of 1950 and it authorizes and directs the agency to initiate and support basic science and engineering research and education activities. The EDU Advisory Committee members support the agency's mission by providing expert advice and counsel on issues and topics related to S&E education at all grade levels and in all settings.

**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**

NA

**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**

NA

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

106

**Number of Recommendations Comments**

The recommendations noted above reflect committee acceptance of Committee of Visitor reports (evaluation documents for individual programs) and AC Reports from 2023 to 2024. Fall 2023 Recommendations 1. The AC recommends that in this challenging DEIA context, EDU and NSF think and act much more intentionally to support investigators in their institutions and other spaces. For example, one AC member pointed out that limiting feedback to low-competitive proposals (e.g., triaging) could be a barrier to broadening investigator participation. 2. The AC recommends that EDU increase efforts to tell stories of impact. They suggest that we connect numbers and narratives—connect the statistics with the stories that show the power and impact of EDU investments. Leverage some of the successes (in the face of the DEIA challenges) of GRFP, TIP, EPSCOR, HSI, and Teacup, among others—and tell these stories. 3. AC members recommended that the agency adopt the required use of graduate student mentoring plans to aid in student development. 4. The AC's recommendations focused on conducting studies to understand targeted problems, using its convening powers to tackle serious challenges, focusing on K-12 STEM teacher needs, and using this information to come up with creative improvements. Spring 2024 Recommendations 1. Consider creating a collaborative resource center focused on rural STEM education, with a broader membership scope including local community groups (e.g., tribal councils). 2. Create more robust infrastructure and sustainability mechanisms, such as collaborating with funders, to support effective projects, collaborations, and resilient communities long-term. Convene NSF-PIs who focus on rural STEM education to create community and impact. 3. Identify, invest, and fund long-standing community partners important in gaining trust and collaborating in rural STEM education and include different models and technologies that effectively influence teacher preparation, recruitment, and retention in rural communities (e.g., housing and childcare) and resource these through grant structures such as grant supplements and longer-term grant timelines. Authentic change is a long-term process. 4. Continue to invest in educational research that focuses on rural STEM education with tracks in an RFP and consider additional models and partnerships with other funding agencies in this space.

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

100%

**% of Recommendations Fully Implemented Comments**

All recommendations are considered by the agency.

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

0%

**% of Recommendations Partially Implemented Comments**

Not applicable. See answer above.

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

Yes  No  Not Applicable

**Agency Feedback Comments**

The Chair of the Advisory Committee (and sitting members when appropriate) meet periodically with NSF senior leadership to discuss topics and issues of importance, and the committee receives feedback from NSF leadership on its suggestions and recommendations.

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

Checked if Applies

Reorganized Priorities	<input checked="" type="checkbox"/>
Reallocated resources	<input type="checkbox"/>
Issued new regulation	<input type="checkbox"/>
Proposed legislation	<input type="checkbox"/>
Approved grants or other payments	<input type="checkbox"/>
Other	<input type="checkbox"/>

**Action Comments**

The committee has no formal role in allocating or distributing agency resources, nor in issuing regulations, approving grants or payments, or proposing legislation.

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

No

**Grant Review Comments**

NA

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

Checked if Applies

Contact DFO	<input checked="" type="checkbox"/>
Online Agency Web Site	<input type="checkbox"/>

Online Committee Web Site



Online GSA FACA Web Site



Publications



Other



**Access Comments**

N/A