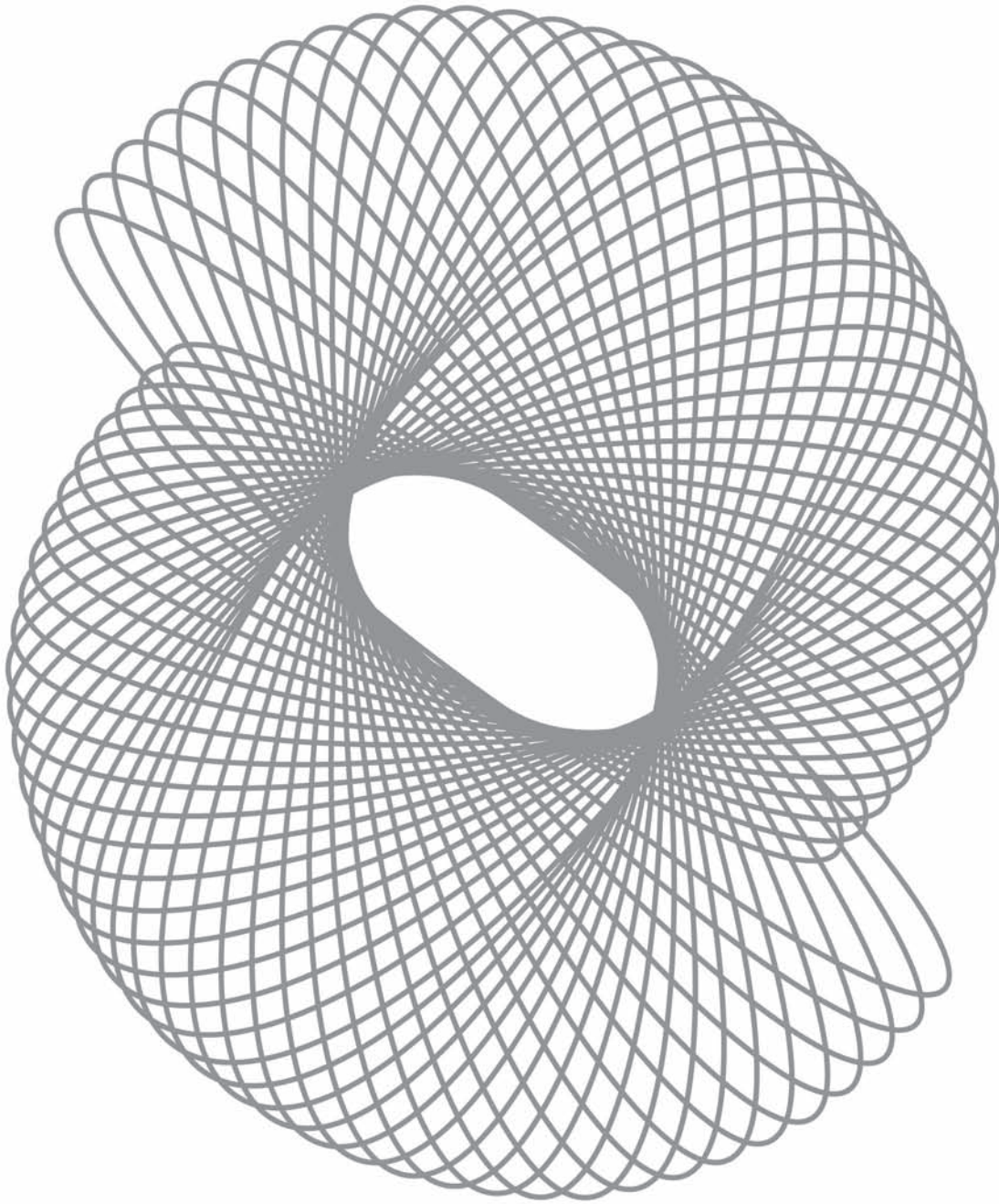


# LINKING LEADERS

Community for Change:

Celebrating Ten Years



# LINKING LEADERS HISTORY

## **The Education Challenge**

In the mid 1990's, worrisome gaps were identified in the mathematical, scientific, and technological literacy of the U.S. population. Issues such as the under-representation of women and minorities in technical fields, student performance on international assessment instruments, and student readiness for the workplace emerged as critical weaknesses of the U.S. system. In conjunction, state educational standards for almost every subject became a nationwide trend.

## **The Perfect Partnership**

During this time, the National Aeronautics and Space Administration's (NASA) Educational Office concluded that a monolithic, one-size-fits-all model was inappropriate and ineffective for supporting technical education across America. NASA's education leadership sought to support the source of a coherent voice for the states' improvement agendas.

The National Alliance of State Science and Mathematics Coalitions (NASSMC) provided NASA with the perfect partnership opportunity. Initially formed in 1994, NASSMC grew out of a project sponsored by the Mathematical Sciences Education Board of the National Research Council. The purpose of NASSMC was to bring state coalitions of business, education, and policy leaders under one national umbrella. NASSMC set out to develop strategies to strengthen existing coalitions while at the same time building new ones.

## **Linking Leaders Emerges**

The Linking Leaders program was established by NASA in collaboration with NASSMC. This partnership provided the ideal vehicle to support the separate and diverse reform efforts of individual state coalitions as a strategy for systemic change. NASA's commitment to education is based on the support of each state's education vision. If the sectors of education, state government, and business share a collective vision, then NASA resources can be aligned to support it. On the other hand, if education, policy, and business leaders are all working hard but at cross-purposes to improve education, then the vector sum of their efforts may be zero.

Linking Leaders for Systemic Reform was launched in 1995 and the first Linking Leaders Workshop was held in Cleveland, Ohio in 1996. With the assistance of NASA funding, NASSMC has extended the Linking Leaders program to twenty-three states. In addition to building new coalitions, the program has evolved in recent years to offer specialized support and technical assistance to the older, more well-established coalitions. Now called Linking Leaders for Systemic Improvement, the program has changed the dynamics of NASA's interaction with the states and has led directly to the establishment of coalitions in four states where no organization existed prior to the NASSMC/NASA presence.

From Linking Leaders I in 1996 to Linking Leaders IX in 2004, the program has been conducted in the states of Alabama, Colorado, Florida, Idaho, Illinois, Iowa, Kentucky, Maryland, Minnesota, Mississippi, Nebraska, New Hampshire, New Mexico, Ohio, Oklahoma, Pennsylvania, South Carolina, Tennessee, Virginia, Washington, West Virginia, Wisconsin, and Wyoming.

# NASSMC HISTORY

The National Alliance of State Science and Mathematics Coalitions (NASSMC) is an umbrella organization for state coalitions of business, education, and public policy leaders united for the improvement of mathematics, science, and technology education (MSTE) for all students. NASSMC is a network of thirty-seven state coalitions and serves as the national advocate for its member organizations.

## Vision and Goals

A non-profit association, NASSMC works state-by-state in pursuit of its vision that all U.S. students will have the necessary knowledge of, understanding of, and skills in mathematics, science, and technology, so they can be productive in their personal, work, and civic lives. The nation will have a competent and competitive workforce that continues to meet the challenges of the global economy. NASSMC's member coalitions work to bring coherence and added value to the separate efforts of many individuals and organizations. Coalitions pursue goals not achievable by any one organization or sector working alone. All Americans need and deserve to receive the best possible education in mathematics, science, and technology for their personal and civic lives.

To this end, NASSMC performs a variety of beneficial activities:

- Helping each coalition develop a state-specific strategy to improve mathematics, science, and technology education;
- Linking state coalition leaders to each other and to major national initiatives;
- Serving as the national ears and voice of its member coalitions;
- Providing a national forum for the discussion of critical issues relevant to continuous and systemic improvement of mathematics, science, and technology education; and
- Supporting timely dissemination of information relevant to the continuous and systemic improvement of mathematics, science, and technology education.

## NASSMC's Development

NASSMC evolved from a 1989 project of the Mathematical Sciences Education Board of the National Research Council. For five years, the project focused on developing coalitions of state-level leaders committed to promoting adaptation and implementation of new state standards for school mathematics and later, science based upon national models. In 1994, directors of the state coalitions initiated by the project decided to establish NASSMC as a national nonprofit organization with headquarters in Washington, DC. At the direction of its Board, NASSMC adopted a larger mission of supporting its member coalitions in the promotion of systemic improvement of mathematics, science, and technology education for all students in grades K-16.

In pursuit of its mission, NASSMC has designed and executed projects testing processes and materials for strengthening the structure and programs of its member coalitions. In collaboration with the Education Commission of the States and the NASA, it has developed a state-based model for working with business, education, and policy leaders to address continuous improvement in school mathematics, science, and technology. NASSMC also established the NASSMC Briefing Service, an Internet-based service providing leaders across the nation with concise and timely information about programs, research results, and public opinion relating to mathematics, science, and technology education.

In August of 2002, NASSMC moved its offices to the National Science Teachers Association (NSTA) Building at 1840 Wilson Boulevard, in neighboring Arlington, Virginia. In this new location, NASSMC works in close proximity to the Triangle Coalition for Science and Technology Education and with the programs and operations of NSTA. The organization continues, through the efforts of its member coalitions, to support comprehensive and coordinated change in mathematics, science, and technology education and to promote public awareness and understanding of the need for such change.



## COALITION RESULTS



In August of 2002, South Carolina became the second state to participate in a NASA/NASSMC seminar on systems design and improvement. This program at the NASA Langley Research Center involved a broad spectrum of persons in strategic planning for math and science reform in South Carolina. One outgrowth of this session was the development of plans for using Langley scientists to assist educators throughout the state who were teaching physical science.



The first two-way video conference between the South Carolina classroom and a Langley Laboratory was held in March of 2003.

## FUTURE GOALS

SCCMS has identified three goals for the years ahead:

- 1) Establish a more viable Coalition.
- 2) Hold an Education Summit during April of 2005.
- 3) Engage more business and industry partners in the work of the Coalition.

### MEMBER AFFILIATIONS

#### *Steering Committee*

Phyllis Buchanan Dupont

Frank Collins  
Lowcountry Mathematics & Science Regional Center

Nan Dempsey  
Spartanburg Tech. College

John Holton  
South Carolina  
Department of Education

Max Metcalf  
BMW Manufacturing Corporation

Linda Payne  
South Carolina State University

Tom Peters  
Clemson University

Mindy Taylor  
Progress Energy

John Tully  
Michelin North America

### CONTACT INFO

Tom Peters  
Interim Director

Sears House at Clemson University  
#3 Highway 93  
Clemson, SC 29634-0977  
(864)-656-1863  
tpeters@clemson.edu

# SCCMS

### LESSONS LEARNED

The information shared by the other coalitions regarding the mechanics of setting up coalitions and successful practices has been useful to SCCMS as the leadership works to reform and revive the coalition.



---

**NASSMC Staff & Contact Info**

Jim McMurtray  
Executive Director  
jmcmurtray@nassmc.org  
(703) 516-5973

Jessica Venable  
Program Officer  
jvenable@nassmc.org  
(703) 516-5974

Deborah Jones  
Senior Program Officer  
dtjones@nassmc.org  
(703) 516-5971

Jane A. George  
Program Officer  
jgeorge@nassmc.org  
(703) 516-5972

Write, telephone, or send a fax to  
NASSMC's headquarters office:

**NASSMC**  
1840 Wilson Blvd., Suite 200  
Arlington, VA 22201-3000  
(703) 516-5970  
(703) 516-5979 (fax)  
info@nassmc.org