



**SC EDUCATION
OVERSIGHT COMMITTEE**

Reporting facts. Measuring change. Promoting progress.

PO Box 11867 | 227 Blatt Building
Columbia SC 29211 | WWW.SCEOC.ORG

AGENDA

EIA and Improvement Mechanisms Subcommittee

Monday, December 12, 2011
11:00 AM, Room 433, Blatt Building

- | | | |
|------|--|-------------|
| I. | Welcome and Introductions | Dennis Drew |
| II. | Approval of the November 21, 2011 Meeting Minutes | Dennis Drew |
| III. | Action:
Budget and Proviso Recommendations FY 2012-13
Education Budget | Dennis Drew |

EIA & Improvement Mechanisms Subcommittee Members:

Mr. Dennis Drew, Chair
Mr. Alex Martin, Vice Chair
Rep. Joseph Neal
Rep. J. Roland Smith
Mr. John Warner
Mr. David Whittemore

Neil C. Robinson, Jr.
CHAIR

Barbara B. Hairfield
VICE CHAIR

Terry S. Brown

Dennis Drew

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Joseph H. Neal

Andrew S. Patrick

J. Roland Smith

Ann Marie Taylor

John Warner

David Whittemore

Mick Zais

Melanie D. Barton
INTERIM EXECUTIVE DIRECTOR

Minutes
EIA and Improvement Mechanisms Subcommittee
Monday, November 21, 2011
10:00 a.m.
Room 433 of the Blatt Building

Members in Attendance: Mr. Dennis Drew (Chair); Mr. Alex Martin (Vice-Chair); Rep. J. Roland Smith; and Mr. David Whittemore

Other EOC Members in Attendance: Mr. Neil Robinson and Ms. Barbara Hairfield

EOC Staff in Attendance: Mrs. Melanie Barton and Ms. Hanicia Graham

Welcome and Introductions

Mr. Drew called the meeting to order and asked that those in attendance introduce themselves and the organizations they represent.

Approval of the November 7, 2011 Meeting Minutes

The minutes, as distributed, were amended to reflect that 111 teachers attended courses at Science PLUS during the summer of 2011. The minutes, as amended, were approved.

Office of First Steps to School Readiness

The chairman recognized Mrs. Susan DeVenny, Executive Director of the Office of First Steps to School Readiness. The Office of First Steps receives EIA funds for the Child Development Education Pilot Program (CDEPP) and EIA funds for the Office. The chairman asked Mrs. DeVenny to give a review of the history of the Office of First Steps and the vision for early childhood education in South Carolina. Mrs. DeVenny stated that the goal of First Steps is to work with the public and private sectors to provide services for children from birth to age 5. Mrs. DeVenny focused on the recent administration of BabyNet and the South Carolina Early Childhood Advisory Council.

Budget and Proviso Recommendations FY 2012-13

Mrs. Barton reported to the subcommittee the results of the EIA budget survey. Twenty-three educators representing local school boards, administrators and classroom teachers were asked to rank in order of priority all Education Improvement Act (EIA) funded programs. The survey was the same one that the EOC completed last year. Mrs. Barton then advised the subcommittee of the revised revenue estimate for Fiscal Year 2011-12 and Fiscal Year 2012-13 regarding both recurring and non-recurring funds. An additional \$489 million in non-recurring general funds and Capital Reserve Fund monies are available for the current fiscal year. An additional \$17.7 million in non-recurring EIA revenues are projected to accrue but by proviso are currently earmarked for school bus fuel costs. For the next fiscal year, 2012-13, the Board of Economic Advisors (BEA) projects that General Fund revenue will increase by \$493 million and EIA revenues by

\$42.5 million. Mrs. Barton then provided information on the cost of fully funding the Education Finance Act (EFA) and teacher salaries at the projected Southeastern average teacher salary.

Focusing on the EIA, the subcommittee then discussed consolidating four line item appropriations and reducing the line item appropriation for teacher salaries for the Department of Disabilities and Special Needs per the request of the agency. The subcommittee then considered funding Teach For America at \$2.0 million and S²TEM Center South Carolina at \$1,750,000. Mr. Drew asked Dr. Tom Peters of the Coalition for Math and Science at Clemson University to respond to questions about the \$750,000 pledge by Boeing to support ten schools with improving reading through math and science instruction.

The subcommittee then discussed how the remaining EIA funds, \$32.9 million, should be allocated. Mrs. Barton noted that the State Superintendent of Education had requested that the increase be allocated to school bus transportation. Mr. Robinson voiced concern that school bus transportation would not meet the legislative purposes of the EIA which were to promote innovation and academic achievement.

Mr. Robinson expressed his support of increasing funding for technology. Rep. Smith made the motion that the additional funds be spent on technology. Mr. Whittemore seconded the motion. Mrs. Hairfield noted that with adoption of the Common Core Standards South Carolina will have likely have to increase its instruction of and use of technology, especially if computerized-testing occurs. The subcommittee voted and unanimously approved that the funds be allocated to technology. The K-12 Technology Initiative would be responsible for devising a long-range plan and allocating the funds as needed to improve instruction through technology.

There being no further business the meeting was adjourned.

SOUTH CAROLINA'S COALITION FOR MATHEMATICS & SCIENCE

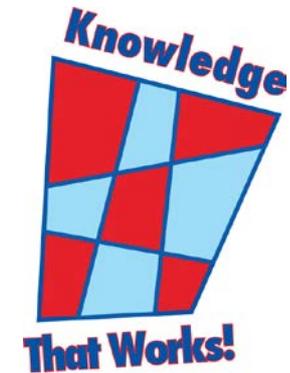
SCCMS

- A C H I E V E M E N T B Y D E S I G N -

Education Oversight
Committee Meeting
December 12, 2011

Appropriation
Request \$1,750,000

Contents

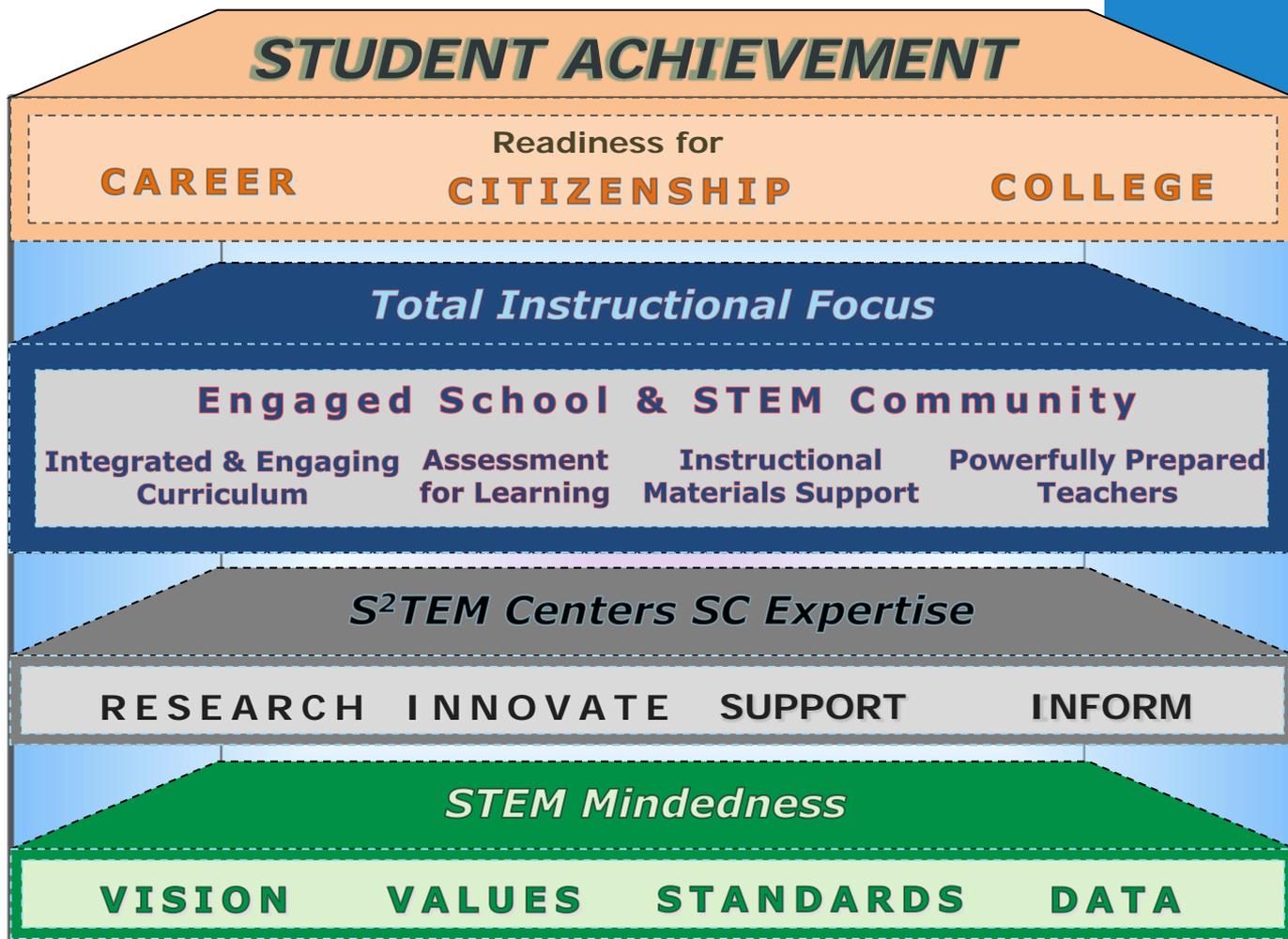


- **A Brief History of STEM**
- **A Brief History of SC's STEM Education Infrastructure**
- **The Boeing Challenge**
- **The Intentions for Public Investment**
- **A Brief Look at Other States' STEM Efforts**
- **Dialog**

S²TEM Centers SC will be a public/private/fee-for-service funded, not-for-profit, statewide support infrastructure for economic development through STEM education



S
T
E
M



STEM

Science | Technology | Engineering | Mathematics

STEM

Science | Technology | Engineering | Mathematics

South Carolina's Summit on STEM Education

Bringing together passionate STEM supporters within education, business, professional associations and government.

South Carolina's Coalition for Mathematics & Science

August 1, 2011 • 1:30 pm – 5:45 pm

225 S. Pleasantburg Drive, Greenville

MULTI-SESSION FEATURES INCLUDING:

- Information Sessions
- Panel Discussions
- Showcase Exhibits

PROGRAM THEMES:

- College, Career and Civic Readiness
- Preparing & Supporting STEM Educators
- STEM Integration
- Public Awareness and Engagement

Register now at SCStem.Eventbrite.com

South Carolina's Summit for STEM Education is made possible, in part, from generous contributions of funding and/or in kind support from:

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TriCounty
TECHNICAL COLLEGE

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UNIVERSITY



3M



LOCKHEED MARTIN



Personal Pathways to success™
SOUTH CAROLINA
REGIONAL EDUCATION CENTERS

- 335 registered participants
- 24 elementary/middle/high school students
- 29 SC school districts + the SC State Board of Education and SC Department of Education
- 22 Business/Industries (7 sponsors + 15 others)
- 16 Institutions of Higher Education (12 from SC + 4 others)
- 4 Representatives of elected officials (2 US Senators' staff, 1 Lt. Governor, 1 City)
- 20 STEM interested entities ranging from national organizations to free lance writers
- 40 different STEM initiatives

SCCMS/S²TEM Synergy

Beginning in 2009, SCCMS received grants and contracts from the SC Department of Education to manage the full scope of work of our state's regional science & math education infrastructure.



South Carolina's Statewide STEM Infrastructure - A Brief History

The 13 Regional Mathematics & Science Hubs

- **Scope of Work:** 1993-98 Individual Leadership development. 1998-2003 School Leadership Team development and SC LASER (science & math kits). As determined by National Science Foundation.
- **Oversight** – SC Department of Education and local Advisory Boards.
- **\$4.9 million** annually in 2011 dollars (state and federal investment).



The Hubs
1993 - 2003

The 8 Regional Mathematics & Science Centers

- **Scope of Work:** 2003-09: Instructional Coaching as determined by SCDE.
- **Oversight** - SC Department of Education.
- **\$3.3 million** annually in 2011 dollars (state investment including some federal funds).



Mathematics
& Science
Regional
Centers
2003 - 2009

The 8 Regional S²MART Centers

- **Scope of Work:** 2009-11 Instructional Coaching including literacy and multiple projects serving Title 1 and Technical Assistance schools as determined by SCDE.
- **Oversight** - SC Department of Education and SCCMS.
- **\$3.8 million** annually in 2011 dollars (state investment including some federal funds).



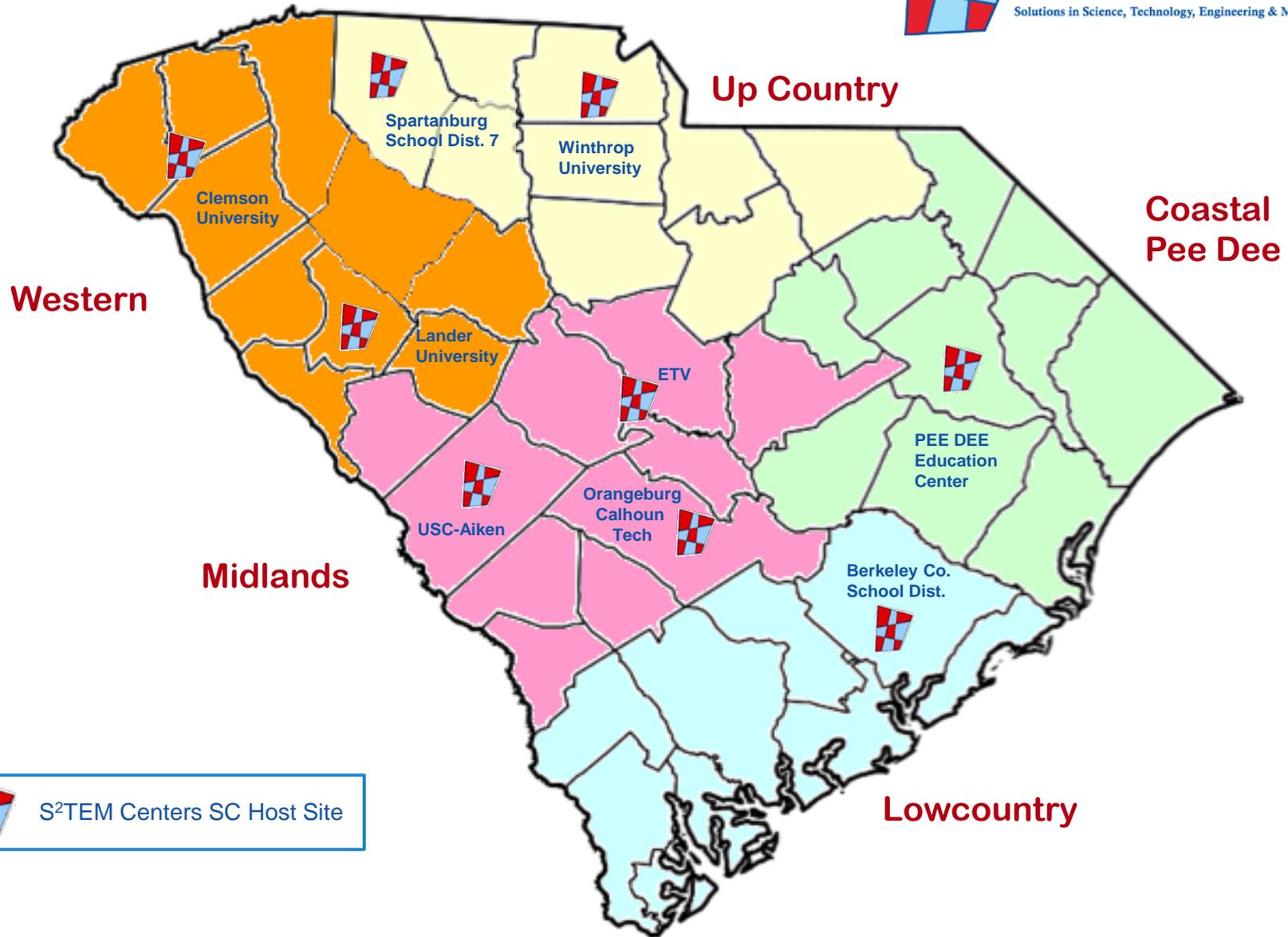
2009 - 2011

The 5 Regional S²TEM Centers

- **Scope of Work:** Innovation, Support and Research projects. As determined by SC public schools and other clients or funders.
- **Oversight** – SCCMS and local Advisory Boards???
- **\$0** annually (current state investment).
- **\$1.2 million** available from “bank” (plus revenue generated by fee for service).



Present



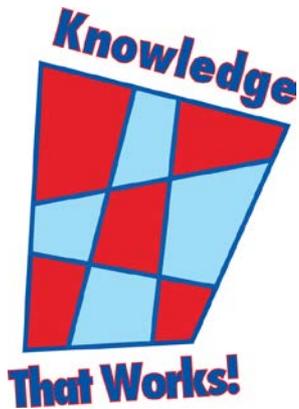
 S²TEM Centers SC Host Site

Program Volumes 2010-2011



INNOVATE: Engage school partners in implementation of specific strategies and resources to improve what is taught and how it is taught.

Program	# Districts	# Schools	# Educators	Est. # Students	Tool Box	Description
Algebridge	6	20	84	7756	Innovate	Implement Algebra strategies
Capstone Coaches	9	14	434	8358	Innovate	Implement instructional coaching
Digital Pilot	12	14	14	816	Innovate	Implement digital text materials
iCoach B	8	44	1143	24651	Innovate	Implement instructional coaching
MS/HS	3	5	59	2719	Innovate	Align science & math curriculum
S3 Implementation	9	23	613	10745	Innovate	Implement S3 math & science lessons
Title 1 LeadS2MART	12	23	857	12645	Innovate	Implement math & ELA strategies
	59	143	3204	67690		



NOTES:

- # of Districts includes duplicate counts as many districts partner in multiple innovation programs.
- Digital Pilot targeted only selected classrooms for innovation.

Program Volumes 2010-2011

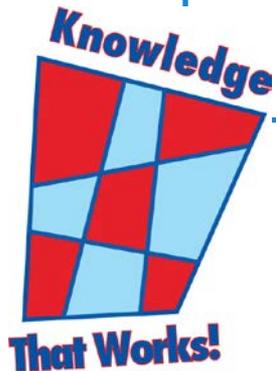


SUPPORT: Develop resources that educate districts, schools and teachers to improve what is taught and how it is taught.

Program	# Districts	# Schools	# Educators	# Students	Status	Description
Common Core Math	37	99	706	N/A	Support	Design & deliver intro sessions
PiLL	21	36	49	N/A	Support	Design support System for TA schools
S3 Science Lessons	N/A	N/A	N/A	N/A	Support	Revise 287 K-8 Science lessons
	58	135	755			

NOTES:

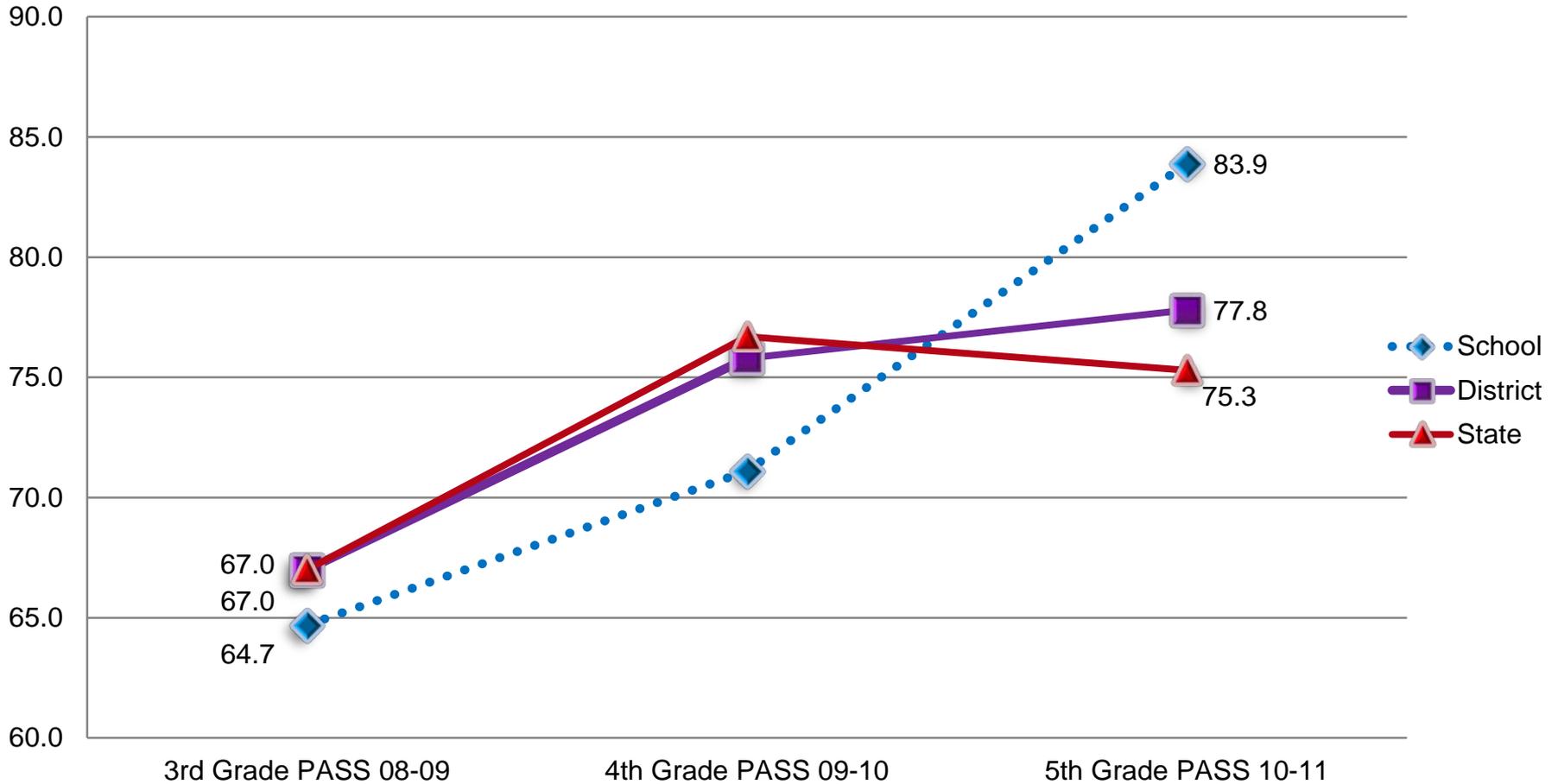
- # of Districts, Schools and Educators includes duplicate counts as many districts partner in multiple support programs.
- We do not currently estimate student impact of support programs.
- S3 Lesson Development was done under contract to SC Department of Education. Lessons are freely available to any individual, school or district. We have no user data.



Buford Elementary - Lancaster

Percent of Students Meeting Standards

MATHEMATICS



See more at <http://www.sccoalition.org/> under the "success stories" tab.

The Boeing Challenge

Inquiring Minds: Reading to Learn and Innovate in Mathematics IQ-MS



- \$250,000 annually for 3 years IF matched (1:1)
- Total project cost is ~\$2,000,000
- RESEARCH – Disciplinary Literacy in 10 schools (2 each in the 5 S²TEM Regions)
- VIRTUAL RESOURCE LIBRARY of strategies that work
- SCALE AND SUSTAIN what works
- APPROVED by SCCMS Board
- Questions???



The Intentions For Public Investment



A public, private, fee-for-service supported, statewide infrastructure for STEM Education

A Model Funding Projection

S²TEM Center X	100%	Boeing	SC Approp.	Remaining
Content Specialists (4 @ \$62,750 if 100%)	\$251,000	\$16,994	\$108,506	\$125,500
Fringe Benefits (4 @ ~.324%)	\$81,324	\$5,506	\$35,165	\$40,653
Coord Specialist (1 @ \$72,000 for 100% FTE)	\$72,000	\$4,248	\$67,752	\$0
Fringe Benefits (@ ~.324%)	\$23,328	\$1,377	\$21,951	\$0
Admin. Support (1 @ \$32,000 if 100%)	\$32,000	\$0	\$25,600	\$6,400
Fringe Benefits (@ ~.324%)	\$10,368	\$0	\$8,294	\$2,074
Operations - rent, travel, supplies, utilities (@ 8.5% of personnel cost)	\$40,000	\$1,013	\$29,000	\$9,988
Boeing Travel for school support	\$5,925	\$2,963	\$2,963	\$0
Boeing Regional summits +advisory	\$10,200	\$5,100	\$5,100	\$0
TOTAL:	\$526,146	\$37,200	\$304,331	\$184,616

SCCMS	100%	Boeing	SC Approp.	Remaining
Exec Director (1 @ \$91,513 if 100%)	\$91,513	\$10,000	\$75,000	\$6,513
Fringe Benefits (@ ~.324%)	\$29,650	\$0	\$24,300	\$5,350
Bus. Manager (1 @ \$42,000 if 100%)	\$42,000	\$5,000	\$37,000	\$0
Fringe Benefits (@ ~.324%)	\$13,608	\$0	\$13,608	\$0
Operations including Adv. Board (@ 8.5% of personnel cost)	\$18,000	\$5,000	\$12,439	\$561
Web support including Boeing (sub contract?)	\$42,000	\$10,000	\$32,000	\$0
Boeing Evaluation/data support (sub contract)	\$50,000	\$25,000	\$25,000	\$0
Boeing Travel	\$5,000	\$2,500	\$2,500	\$0
Boeing Equipment	\$5,000	\$2,500	\$2,500	\$0
Boeing Participant Materials	\$8,000	\$4,000	\$4,000	\$0
TOTAL:	\$304,772	\$64,000	\$228,347	\$12,425

Program Total	100%	Boeing	SC Approp.	Remaining
Total Expenditure including Boeing:	\$2,935,501	\$250,000	\$1,750,000	\$935,502



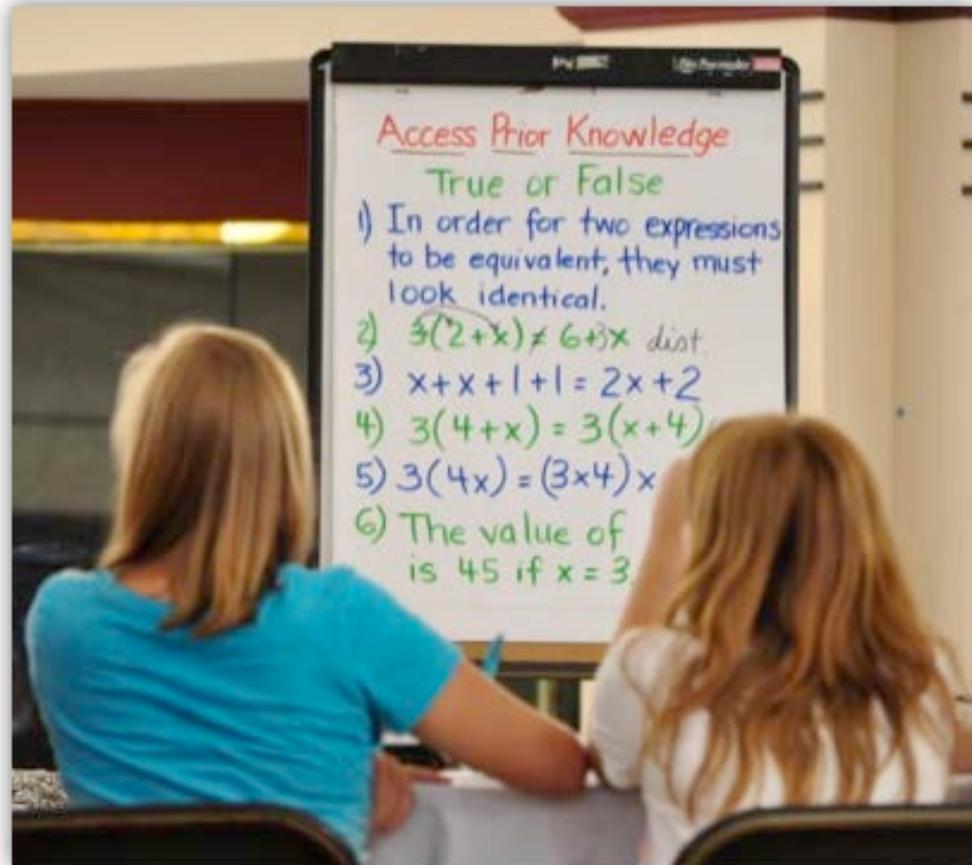
Scope of Work

ACTION DOMAIN

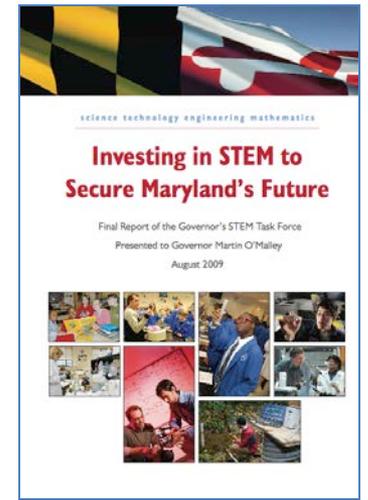
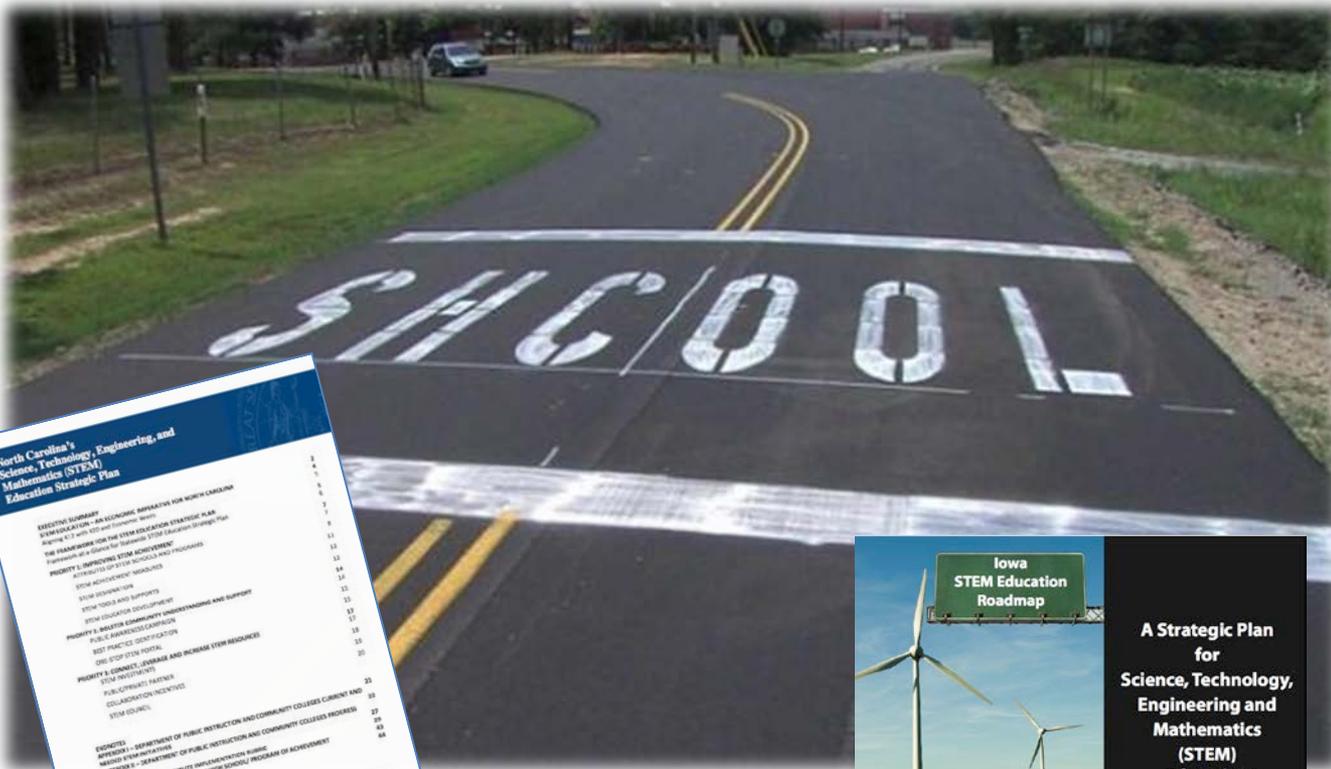
27% - Boeing research

73% - An agreed upon scope of work to inform, support and innovate...at minimal cost to SC schools.

Ala cart work to inform, support and innovate ...at reduced cost to SC schools.



At the Crossroads... STEM in Other States



Dialogue

What questions do you have?

