A Little History

Over the past several decades, a debate has flourished nationally and in the states about what children should learn in school and what types of knowledge/skills they should exhibit when they complete our formal education system. The debate has ranged from the development of national mandated standards to the implementation of state specific standards.

With the implementation of the No Child Left Behind Act, a focus was placed on 1) accountability for states and individual school districts and 2) educational progress and proficiency for children. In order to comply with the requirements of the federal program (which were tied to federal funding for a state), most states began or completed the development of “state learning standards”. These standards identified what children should be taught and should know at each step of the educational process and drove the development of assessments and curriculum content.

With that process as a backdrop, the Council of Chief State School Officers (CCSSO) and the National Governors Association Center for Best Practices (NGA Center) undertook the development of a set of national voluntary standards that were developed on behalf of 48 states. (Texas and Alaska have not participated in the development of these common standards.) “This process was an extension of a prior initiative led by CCSSO and NGA to develop College and Career Readiness (CCR) standards in reading, writing, speaking, listening and language as well as in mathematics. “ These standards were released in September 2009 and are the backbone of the current document. Source: Common Core State Standards for English Language Arts and Literacy in History/Social Studies & Science, March 2010, p.1.

“The Council of Chief State School Officers is a non-partisan, nationwide, nonprofit association of public officials that head departments of elementary and secondary education in the states, the District of Columbia, the Department of Defense Education Activity, and five U.S. extra-state jurisdictions. CCSSO provides leadership, advocacy, and technical assistance on major educational issues. The Council seeks member consensus on major educational issues and expresses their views to civic and professional organizations, federal agencies, Congress and the public.” www.ccsso.org

“Founded in 1908, the National Governors Association (NGA) is the collective voice of the nation’s governors and one of Washington, D.C.’s most respected public policy organizations. Its members are the governors of the 50 states, three territories and two commonwealths. NGA provides governors and their senior staff members with services that range from representing states on Capitol Hill and before the Administration on key federal issues to
developing and implementing innovative solutions to public policy challenges through the NGA Center for Best Practices.”  [www.nga.org](http://www.nga.org)

On March 10, 2010, the first drafts of the common core standards for K-12 were released in *English Language Arts and Literacy in History/Social Studies & Science* and *Mathematics*.

The standards are:

- Aligned with college and work expectations;
- Clear, understandable and consistent;
- Include rigorous content and application of knowledge through high-order skills;
- Build upon strengths and lessons of current standards;
- Informed by other top performing countries, so that all students are prepared to succeed in our global economy and society; and
- Evidence-and-research based.

*Source: Press Release, March 10, 2010, Council of Chief State School Officers*

The proposed standards were developed with working groups that included representatives from participating states, a wide range of educators, content experts, researchers, national organizations, and community groups. (See Appendix A for a list of working group members from the SECA States.)

“As a natural outgrowth of meeting the charge to define college and career readiness, the *Standards* also lay out a vision of what it means to be a literate person in the twenty-first century. Indeed, the skills and understandings students are expected to demonstrate have wide applicability outside the classroom or workplace.”  *Source: Common Core State Standards for English Language Arts and Literacy in History/Social Studies & Science, March 2010, p.1.*

The *State of Kentucky* has adopted the Common Core Standards (prior to finalization) and will be moving forward to integrate them into their state systems. They were the first state in the nation to make this adoption. (For more information, see the March 2010 edition of *Public Policy Notes* at [www.southernearlychildhood.org](http://www.southernearlychildhood.org).)

The draft is currently out for public review and it is anticipated that the final standards document will be adopted in early spring. The groups are inviting public comment and feedback through an on-line survey. *This policy brief will provide information on the K-5 standards.* For copies of the K-12 standards and access to the on-line feedback survey, go to [www.corestandards.org](http://www.corestandards.org). A response from the Alliance for Childhood is included in Appendix B.
English Language Arts and Literacy in History/Social Studies and Science

The standards are grouped into 3 areas:

- K-5 Standards for English Language Arts and Literacy in History/Social Studies & Science
- 6-12 Standards for English Language Arts
- 6-12 Standards for Literacy in History/Social Studies and Science

Content:

- College and Career Readiness Standards for Reading... p. 7
- Reading Standards for Literature K-5... p.8
- Reading Standards for Informational Text K-5 ....p.10
- Standards for Reading: Foundational Skills K-3 ....p.12
- Text Complexity..... p.14
- College and Career Readiness Standards for Writing.....p.15
- Writing Standards K-5..... p. 16
- College and Career Readiness Standards for Speaking and Listening.....p.19
- Speaking and Listening Standards......p. 20
- College and Career Readiness Standards for Language......p. 22
- Language Standards K-5......p.23
- English Language Arts Conventions Progressive Skills Chart....p. 27
- Texts Illustrating the Complexity, Quality and Range of Student Reading K-5....p. 28
- Staying on Topic Within a Grade and Across Grades.....p. 29

Key Design Considerations

1. “A focus on results rather than means”—The Standards do not mandate such things as a particular writing process or specify the full range of metacognitive strategies that students may need to use to monitor and direct their thinking and learning. Teachers
are thus free to provide students with whatever tools and knowledge their professional judgment and experience identify as most helpful.”

2. **An integrated model of literacy**—Although the Standards are divided into Reading, Writing, Speaking and Listening and Language strands for conceptual clarity, the processes of communication are closely connected.

3. **Research and media skills integrated into the Standards as a whole**—The need to research and to consume and produce media is embedded into every element of today’s curriculum: in like fashion, the associated skills and understandings are embedded throughout the Standards rather than treated in a separate section.

4. **Shared responsibility for students’ literacy development**—The Standards present reading instruction in K-5 as fully integrative, including a rich blend of stories, drama, and poetry as well as informational texts from a range of content areas.”

*Source: Common Core State Standards for English Language Arts and Literacy in History/Social Studies & Science, March 2010, p.2*

**What You Won’t Find in the Standards**

- The proposed standards **do not define how teachers should teach.**
- They **do not describe what can or should be taught**: they attempt to define what is most essential.
- The Standards set grade-level standards but **do not address how to support students who are below or above grade-level.**

*Source: Common Core State Standards for English Language Arts and Literacy in History/Social Studies & Science, March 2010, p.3*

**Key Features of the Strands**

- **Reading**: Text Complexity and the growth of comprehension
- **Writing**: Text types, responding to sources, and research
- **Speaking & Listening**: Flexible communication and interpersonal skills
- **Language**: Conventions and vocabulary
- **Appendices**: Supplementary materials to support the other strands
The Standards are grouped in these major areas and the skills and knowledge required in each area are progressively more difficult as the child moves from kindergarten to 5th Grade.

**Reading Standards**

- Key Ideas and Details
- Craft and Structure
- Integration of Knowledge and Ideas
- Range and Level of Text Complexity

**Reading Standards for Informational Text**

- Key Ideas and Details
- Craft and Structure
- Integration of Knowledge and Ideas
- Range and Level of Text Complexity

**Reading Standards: Foundational Standards**

- Print Concepts
- Phonological Awareness
- Phonics and Word Recognition
- Fluency

**Writing**

- Text types and purposes
- Production and Distribution of Writing
- Research to Build Knowledge
- Range of Writing

**Speaking and Listening**

- Comprehension and Collaboration
- Presentation of Knowledge and Ideas

**Language**

- Conventions in Writing and Speaking
- Vocabulary Acquisition and Use
Mathematics

Mathematics experiences in early childhood settings should concentrate on (1) number (which includes whole number, operations, and relations) and (2) geometry, spatial relations, and measurement, with more mathematics learning time devoted to number than to other topics. The mathematical process goals should be integrated in these content areas. Children should understand the concepts and learn the skills exemplified in the teaching-learning paths described in this report. National Research Council, 2009

The Standards “define what students should understand and be able to do. ...But what does mathematical understanding look like? One hallmark of mathematical understanding is the ability to justify, in a way appropriate to the student’s mathematical maturity, why a particular mathematical statement is true or where a mathematical rule comes from. ....Mathematical understanding and procedural skill are equally important, and both are assessable using mathematical tasks of sufficient richness.” Source: Common Core Standards for Mathematics, March 2010, p. 3

The Standards for Mathematics contain eight Standards for Mathematical Practice.

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.
3. Construct viable arguments and critique the reasoning of others.
4. Model with mathematics.
5. Use appropriate tools strategically.
6. Attend to precision.
7. Look for and make use of structure.
8. Look for and express regularity in repeated reasoning.

“In Kindergarten, instructional time should focus on two critical areas: (1) representing, comparing and ordering whole numbers and joining and separating sets; (2) describing shapes and space. More learning time in Kindergarten should be devoted to number than to other topics.

(1) Students use numbers, including written numerals, to represent quantities and to solve quantitative problems, such as counting objects in a set; creating a set with a given number of objects; comparing and ordering sets or numerals; and modeling simple joining and separating situations with objects. They choose, combine, and apply effective strategies for answering quantitative questions, including quickly recognizing the cardinalities of small sets of objects, counting and producing sets of
given sizes, counting the number of objects in combined sets, or counting the number of objects that remain in a set after some are taken away.

(2) Students describe their physical world using geometric ideas (e.g., shape, orientation, spatial relations) and vocabulary. They identify, name, and describe basic shapes, such as squares, triangles, circles, rectangles, (regular) hexagons, and (isosceles) trapezoids, presented in a variety of ways (e.g., with different sizes or orientations), as well as three-dimensional shapes such as spheres, cubes, and cylinders. They use basic shapes and spatial reasoning to model objects in their environment and to construct more complex shapes.”

Source: Common Core Standards for Mathematics, March 2010, p. 9

The kindergarten standards include:

- Number names, counting, comparing and ordering numbers.
- Composing and decomposing numbers: addition & subtraction.
- Two digit numbers and composing and decomposing ten.
- Direct measures and representing and interpreting data.
- Shapes and spatial reasoning.

This includes being able to say the number name sequence to 100 and writing numbers from 1 to 20 in base-ten notation.

Contents:

- Overview of the Mathematics Standards, Grades K-5....p.7
- Kindergarten....p. 9
- Grade 1....p. 12
- Grade 2....p. 15
- Grade 3....p.18

How the Standards Apply to ELL and Students with Disabilities

“English language learners (ELLs) must be held to the same level of standards expected of students who are already proficient in English. However, these students are acquiring both English language proficiency and content area knowledge concurrently, so some students will require additional time, and all will require appropriate instructional support and aligned assessments.

ELLs are a heterogeneous group with differences in ethnic background, first language, socioeconomic status, quality of prior schooling, and levels of English language proficiency.
Effectively educating these students requires diagnosing each student instructionally, adjusting instruction accordingly, and closely monitoring student progress.

To help ELLs meet high academic standards in language arts it is essential that they have access to:

- Teachers and personnel at the school and district levels who are well prepared and qualified to support ELLs while taking advantage of the many strengths and skills they bring to the classroom;

- Literacy-rich school environments where students are immersed in a variety of language experiences;

- Instruction that develops foundational skills in English that enable ELLs to participate fully;

- Coursework that prepares ELLs for postsecondary education or the workplace yet is made comprehensible for students learning content in a second language (through specific pedagogical techniques and additional resources);

- Opportunities for classroom discourse and interaction that are well-designed to enable ELLs to develop communicative strengths in language arts;

- Ongoing assessment and feedback to guide learning; and

- Speakers of English who know the language well enough to provide ELLs with models and support.

ELLs can participate in mathematical discussions as they learn English. Mathematics instruction for ELL students should draw on multiple resources and modes available in classrooms—such as objects, drawings, inscriptions, and gestures—as well as home languages and mathematical experiences outside of school. While mathematics instruction for ELLs should address mathematical discourse and academic language, this involves much more than vocabulary instruction.

Regular and active participation in the classroom—not only reading and listening but also discussing, explaining, writing, representing, and presenting—is critical to the success of ELLs in mathematics. Research has shown that ELLs can produce explanations, presentations, etc. and participate in classroom discussions as they are learning English.

ELLs, like English-speaking students, require regular access to teaching practices that are most effective for improving student achievement. Mathematical tasks should be kept at high
cognitive demand; teachers and students should attend explicitly to concepts; and students should wrestle with important mathematics.”


“All students, including students with disabilities — students eligible under the Individuals with Disabilities Education Act (IDEA) — must be challenged to excel within the general curriculum and prepared for success in their post-school lives, including college and/or careers. The common core state standards provide a historic opportunity to improve access to academic content standards for students with disabilities. The continued development of understanding about research-based instructional practices and a focus on their effective implementation will also help improve access to the common core state standards.

Students with disabilities are a heterogeneous group with one common characteristic: the presence of disabling conditions that significantly hinder their abilities to benefit from general education (IDEA 34 CFR §300.39, 2004). Therefore, how these high standards are taught and assessed is of the utmost importance in reaching this diverse group of students.

Promoting a culture of high expectations for all students is a fundamental goal of the common core state standards. To participate with success in the general curriculum, students with disabilities, as appropriate, may be provided additional supports and services, such as:

- Instructional supports for learning, based on the principles of Universal Design for Learning, which foster student engagement by presenting information in multiple ways and allowing for diverse avenues of action and expression.

- Instructional accommodations — changes in materials or procedures — which do not change the standards but allow students to learn within the framework of the common core state standards.

- Assistive technology devices and services to ensure access to the general education curriculum and the common core state standards.

For some students with significant cognitive disabilities to access certain standards, those standards may need to be extended and/or adjusted. However, standards should be extended and/or adjusted only after students receive access to multiple means of learning and demonstrating knowledge. Any extensions and/or adjustments must align with and retain the rigor and high expectations of the common core state standards.”

### Appendix A

**Common Core State Standards Initiative K-12 Standards Development Teams/Members from the SECA States**

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<thead>
<tr>
<th>Mathematics Work Team</th>
<th>Mathematics Feedback Group</th>
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<tr>
<td>Nancy Beben</td>
<td>Scott Eddins</td>
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<td>Tennessee Mathematics</td>
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<td>Content Editor</td>
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<td>Uri Treisman</td>
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<td>Mathematics Teacher</td>
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<td>Chuck Pack</td>
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<td>Becky Pittard</td>
<td>Executive Director of</td>
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<td>Oklahoma State Department</td>
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<td>Richard Scheaffer</td>
<td>Scott Eddins</td>
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<td>Carolyn Sessions</td>
<td>Tennessee Mathematics</td>
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<td>Mary Jane Tappen</td>
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<td>Supervisors of Mathematics</td>
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**Mathematics Work Team Members from the SECA States**

- **Mathematics Work Team**
  - **Nancy Beben**: Director, Curriculum Standards, Louisiana Department of Education
  - **Sybilla Beckmann**: Professor of Mathematics, University of Georgia
  - **Thomas Coy**: Public School Program Advisor, Arkansas Department of Education
  - **James Madden**: Professor of Mathematics, Louisiana State University
  - **Bernard L. Madison**: Professor of Mathematics, University of Arkansas
  - **Chuck Pack**: Mathematics Curriculum Coordinator, Tahlequah Public School District/Oklahoma
  - **Becky Pittard**: Pine Trail Elementary School, Volusia County Schools, Florida
  - **Richard Scheaffer**: Professor Emeritus, University of Florida
  - **Carolyn Sessions**: Standards & Curriculum Projects Coordinator, Louisiana Department of Education
  - **Mary Jane Tappen**: Deputy Chancellor for Curriculum, Instruction & Student Services, Florida Department of Education
  - **Kerri White**: Executive Director of High School Reform, Oklahoma State Department of Education
  - **Vern Williams**: Mathematics Teacher, H.W. Longfellow Middle School, Fairfax County, Virginia

**Mathematics Feedback Group Members**

- **Scott Eddins**: Tennessee Mathematics Coordinator President, Association of State Supervisors of Mathematics/Tennessee
- **Tammy Jones**: Content Editor, Tennessee Standards Committee
- **Uri Treisman**: Professor of Mathematics & Executive Director, Charles A. Dana Center University of Texas at Austin
<table>
<thead>
<tr>
<th>English/Language Arts Work Team</th>
<th>Jan Freeland</th>
<th>Middle &amp; Secondary English/Language Arts Supervisor</th>
<th>Louisiana Department of Education</th>
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<tr>
<td></td>
<td>James Marshall</td>
<td>Professor of Language and Literacy Education</td>
<td>University of Georgia</td>
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<td>Tracy Robertson</td>
<td>English Coordinator</td>
<td>Virginia Department of Education</td>
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<td>Vince Verges</td>
<td>Executive Director</td>
<td>Test Development Center/Florida Department of Education</td>
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<tr>
<th>English/Language Arts Feedback Group</th>
<th>Mark Bauerlein</th>
<th>Department of English</th>
<th>Emory University Georgia</th>
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<td></td>
<td>Barbara R. Foorman</td>
<td>Director</td>
<td>Florida Center for Reading Research/Florida State University</td>
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Appendix B

Joint Statement of Early Childhood Health and Education Professionals on the Common Core Standards Initiative
Issued by the Alliance for Childhood
March 16, 2010
www.allianceforchildhood.org

WE HAVE GRAVE CONCERNS about the core standards for young children now being written by the National Governors Association and the Council of Chief State School Officers. The proposed standards conflict with compelling new research in cognitive science, neuroscience, child development, and early childhood education about how young children learn, what they need to learn, and how best to teach them in kindergarten and the early grades. We have no doubt that promoting language and mathematics is crucial to closing the achievement gap. As written, however, the proposed standards raise the following concerns:

☐ Such standards will lead to long hours of instruction in literacy and math. Young children learn best in active, hands-on ways and in the context of meaningful real-life experiences. New research shows that didactic instruction of discrete reading and math skills has already pushed play-based learning out of many kindergartens. But the current proposal goes well beyond most existing state standards in requiring, for example, that every kindergartner be able to “read with sufficient accuracy and fluency to support comprehension.”

☐ They will lead to inappropriate standardized testing. Current state standards for young children have led to the heavy use of standardized tests in kindergarten and the lower grades, despite their unreliability for assessing children under age eight. The proposed core standards will intensify inappropriate testing in place of broader observational assessments that better serve young children’s needs.

☐ Didactic instruction and testing will crowd out other important areas of learning. Young children’s learning must go beyond literacy and math. They need to learn about families and communities, to take on challenges, and to develop social, emotional, problem-solving, self-regulation, and perspective-taking skills. Overuse of didactic instruction and testing cuts off children’s initiative, curiosity, and imagination, limiting their later engagement in school and the workplace, not to mention responsible citizenship. And it interferes with the growth of healthy bodies and essential sensory and motor skills—all best developed through playful and active hands-on learning.

☐ There is little evidence that such standards for young children lead to later success. While an introduction to books in early childhood is vital, research on the links between the intensive teaching of discrete reading skills in kindergarten and later success is inconclusive at best. Many of the countries with top-performing high-school students do not begin formal schooling until age six or seven. We must test these ideas more thoroughly before establishing nationwide policies and practices.
We therefore call on the National Governors Association and the Council of Chief State School Officers to withdraw the proposed standards for children in kindergarten through grade three. We further call for the creation of a consortium of early childhood researchers, developmental psychologists, pediatricians, cognitive scientists, master teachers, and school leaders to develop comprehensive guidelines for effective early care and teaching that recognize the right of every child to a healthy start in life and a developmentally appropriate education.

G. Rollie Adams, President and CEO, Strong National Museum of Play, Rochester, NY
Cynthia K. Aldinger, Executive Director, LifeWays North America, Norman, OK
Monica Alexandra, Kindergarten teacher, NYC Public Schools, Bronx, NY
Edith Adams Allison, Learning Disabilities Specialist, Amherst, MA
Joan Almon, Executive Director, Alliance for Childhood, College Park, MD
Defne Apul, Assistant Professor of Civil Engineering, University of Toledo, Toledo, OH
Ruth H. Aranow, Senior Academic Advisor, Krieger School of Arts & Sciences, Johns Hopkins University, Baltimore, MD
Cara Armstrong, Curator of Education, Fallingwater, Mill Run, PA
Anne Austin, Director, Early Learning Center, Baruch College, New York, NY
Ray Bacchetti, Vice President, Planning and Management, Emeritus, Stanford University, Palo Alto, CA
Nancy Balaban, Infant and Family Development and Early Intervention Program, Bank Street College of Education, New York, NY
Ann Barbour, Professor, Early Childhood Education, California State University, Los Angeles, CA
Elizabeth A. Baring, Creative arts therapist and sandplay practitioner, New York, NY
Pamela Barrett-Lasser, Teacher and parent, Central Park East 2 Elementary School, New York, NY
Lyda Beardsley, Director, Child Development Programs, College of Marin, Kentfield, CA
Sara Bennett, Founder, Stop Homework, Brooklyn, NY
Laura M. Bennett-Murphy, Associate Professor, Psychology, Westminster College, Salt Lake City, UT
Marilyn Benoit, M.D., Past President, American Academy of Child and Adolescent Psychiatry, Washington, DC
Carol Bensen, School Psychologist, SLP Service, West Linn, OR
Karen Bensen, Clinical Assistant Professor, Graduate School of Social Work, University of Denver, CO
Karen D. Benson, Professor, California State University, Sacramento, CA
Eugene V. Beresin, M.D., Professor of Psychiatry, Harvard Medical School, Boston, MA
Stephanie Biagetti, Assistant Professor, Sacramento State University, Sacramento, CA
Wendy C. Blackwell, Director of Education, National Children's Museum, Washington, DC
Wil Blechman, M.D., President, Docs for Tots Florida; Past President, Kiwanis International, Miami, FL
Herb Bleich, early childhood teacher, Community School 133, New York, NY
Amy Blesi, board member, Winnetka Alliance for Early Childhood, Winnetka, IL
Paula Jorde Bloom, Professor of Early Childhood Education, National-Louis University, Wheeling, IL
Lila Braine, Emeritus Professor of Cognitive Psychology, Barnard College, Columbia University, New York, NY
Joanna Cemore Brigden, Associate Professor of Early Childhood Education, Missouri State University, Springfield, MO
Michael Brody, M.D., Chair, Media Committee, American Academy of Child and Adolescent Psychiatry, Washington, DC
Robin E. Brooks, Art educator, Lincoln School, Augusta, ME
Carol Broos, Music teacher, Sunset Ridge School District #29, Northfield, IL
Stuart L. Brown, M.D., Founder and President, National Institute for Play, Carmel Valley, CA
Sylvia Bulgar, Professor, Mathematics Education, Rider University, Lawrenceville, NJ
Blakely Bundy, Executive Director, Winnetka Alliance for Early Childhood, Winnetka, IL
Kathleen Burris, Professor, Early Childhood, Middle Tennessee State University, Murfreesboro, TN
Wei Cao, Assistant Professor, University of Michigan, Flint, MI
Lorayne Carbon, Director, Early Childhood Center, Sarah Lawrence College, Bronxville, NY
Nancy Carlson-Paige, Professor of Early Childhood Education, Lesley University, Cambridge, MA
Catherine Carotta, Associate Director, Center for Childhood Deafness, Boys Town National Research Hospital, Omaha, NE
Julie Ann Carroll, Founding President, Winnetka Alliance for Early Childhood, Winnetka, IL
Ingrid Chalufour, Lead Developer, Foundations of Science Literacy, Education Development Center, Newton, MA
Barbara C. Chauvin, Supervising Teacher, University of Maryland Baltimore County, Catonsville, MD
Miriam Chaves, Literacy Coach, NYC Board of Education, New York, NY
Saralea E. Chazan, Clinical Psychologist, New York University, New York, NY
Avery Cleary, Executive Director, Hooked on Nature, San Jose, CA
Sherry Cleary, Executive Director, NYC Early Childhood Professional Development Institute, City University of New York, NY
Sydney Gurewitz Clemens, Early childhood consultant and author, San Francisco, CA
Carol Cole, Executive Director, Sophia Project, Oakland, CA
Patricia M. Cooper, Assistant Professor of Literacy and Early Childhood Education, New York University, New York, NY
Jayna Coppedge, Children’s Minister, First Baptist Church, Tahlequah, OK
Colleen Cordes, Executive Director, Psychologists for Social Responsibility, Washington, DC
Donna Couwenhoven, Professor and early childhood teacher educator, Shippensburg University of Pennsylvania, Shippensburg, PA
Milly Cowles, Dean, Principals’ Academy, Mobile, AL
Ellen F. Crain, M.D., Professor of Pediatrics, Albert Einstein College of Medicine, Bronx, NY
William Crain, Professor of Psychology, City College of New York, NY
Sara McCormick Davis, Associate Professor, University of Arkansas Fort Smith; President Elect, National Association of Early Childhood Teacher Educators, Fort Smith, AR
Renee Dinnerstein, Early Childhood Literacy Consultant, Brooklyn, NY
Diane Trister Dodge, President, Teaching Strategies, Inc., Bethesda, MD
Aviva Dorfman, Associate Professor of Early Childhood Education, University of Michigan, Flint, MI
Olivia Stokes Dreier, Karuna Center for Peacebuilding, Amherst, MA
Walter F. Drew, Executive Director, Institute for Self Active Education, Melbourne Beach, FL
Jan Drucker, Psychologist, Sarah Lawrence College, Bronxville, NY
Georgianna Duarte, Professor, University of Texas, Brownsville, TX
Barbara Dubitsky, Director, Mathematics Leadership Programs, Bank Street College, New York, NY
Eleanor Duckworth, Professor of Education, Harvard University, Cambridge, MA
David Dunston, Teacher, Chilie Public Schools, Chilie, AZ
Sean Durham, Director, Early Learning Center for Research and Practice, University of Tennessee, Knoxville, TN
Mary Duru, Teacher mentor (retired), District of Columbia Public Schools, Washington, DC
M. Ann Easterbrooks, Professor, Applied Developmental Science, Tufts University, Medford, MA
Carolyn Pope Edwards, Willa Cather Professor of Psychology and Child, Youth, and Family Studies, University of Nebraska, Lincoln, NE
David Elkind, Professor Emeritus of Child Development, Tufts University, Medford, MA
Beth Ellor, Early childhood educator and literacy coach, Brooklyn, NY
Brenda S. Engel, Associate Professor (retired), Lesley University, Cambridge, MA
Ann S. Epstein, Senior Director of Curriculum Development, HighScope Educational Research
Foundation, Ypsilanti, MI
Beverly Falk, Professor, School of Education, City College of New York, NY
Stephanie Feeney, Professor Emerita of Education, University of Hawaii; Chair of the Advocacy Committee, National Association of Early Childhood Teacher Educators, Honolulu, HI
Suzy Ferree, National Lecture Staff, Gesell Institute of Human Development, New Haven, CT
Magali Figueroa-Sanchez, Executive Director, Children’s Center, Hostos Community College, Bronx, NY
Margery B. Franklin, Professor Emerita of Psychology, Sarah Lawrence College, Bronxville, NY
Doris Fromberg, Professor and Director of Early Childhood Teacher Education, Hofstra University, Hempstead, NY
Joe L. Frost, Parker Centennial Professor Emeritus, University of Texas, Austin, TX
William Fulbright, Kindergarten teacher, PS 321, and board member, Brooklyn Kindergarten Society, Brooklyn, NY
Ellen Galinsky, author and work life researcher, New York, NY
Claire B. Gallagher, Professor, School of Education, Georgian Court University, Lakewood, NJ
Lella Gandini, Visiting Scholar and U.S. Liaison for the Dissemination of the Reggio Emilia Approach, Lesley University, Cambridge, MA
Howard Gardner, Hobbs Professor of Cognition and Education, Harvard Graduate School of Education, Cambridge, MA
Ayla Gavins, Principal, Mission Hill School, Roxbury, MA
Suzanne Gellens, Executive Director, Florida Association for the Education of Young Children, Tampa, FL
Cynthia J. Gentry, Founding Director, Atlanta Taskforce on Play, Atlanta, GA
Douglas Gerwin, Co-Director, Research Institute for Waldorf Education, Wilton, NH
Eric Gidseg, Kindergarten teacher, Arlington Central School District, New Paltz, NY
Margaret Gillespie, Kindergarten Teacher, Sacramento City Unified School District, Sacramento, CA
Richard Goldstein, Elementary school principal (retired), NYC Public Schools, Brooklyn, NY
Roberta Golinkoff, H. Rodney Sharp Professor of Education, Psychology, and Linguistics and Cognitive Science, University of Delaware, Newark, DE
Elizabeth N. Goodenough, Lecturer in Literature, University of Michigan, Ann Arbor, MI
Shelley Grant, Literacy coach, PS 51, New York, NY
Betsy Grob, Graduate Faculty, Bank Street College of Education, New York, NY
Rachel Grob, Director, Child Development Institute, Sarah Lawrence College, Bronxville, NY
Marcy Guddemi, Executive Director, Gesell Institute of Human Development, New Haven, CT
Lisa Guisbond, Policy Analyst, National Center for Fair and Open Testing, Boston, MA
Joan Gussow, Professor Emerita of Nutrition and Education, Teachers College, Columbia University, New York, NY
Winifred M. Hagan, Early Care and Education Consultant, CAYL Institute, Cambridge, MA
Ellen Hall, Executive Director, Boulder Journey School, Boulder, CO
Darell Hammond, CEO and co-founder, KaBOOM!, Washington, DC
Susanna Happgood, Assistant Professor, University of Toledo, Toledo, OH
Jane M. Healy, educational psychologist and author, Vail, CO
Mary Hebron, Associate Director, Art of Teaching Graduate Program, Sarah Lawrence College, Bronxville, NY
Teri Hendy, President, Site Masters, Inc., Cincinnati, OH
Kathy Hirsh-Pasek, Stanley and Debra Lefkowitz Professor of Psychology, Temple University, Philadelphia, PA
Craig Holdrege, biologist, educator; Director, The Nature Institute, Ghent, NY
Carla M. Horwitz, Director, Calvin Hill Day Care Center and Kindergarten; Lecturer, Yale Child Study Center, Yale University, New Haven, CT
Susan Howard, Coordinator, Waldorf Early Childhood Association of North America, Amherst, MA
Carollee Howes, Professor, University of California, Los Angeles, CA
Judy S. Hudson, Professor, San Juan College, Farmington, NM
Kim Hughes, Therapeutic Teacher, Trainer, and Consultant; 1999-2000 North Carolina Teacher of the Year, Project Enlightenment, Wake County Schools, Raleigh, NC
Mary Hynes-Berry, Faculty, Erikson Institute for Early Childhood, Chicago, IL
Tom Jambor, Professor Emeritus, Early Childhood Development and Education, University of Alabama, Birmingham, AL
Olga S. Jarrett, Associate Professor, Early Childhood Education, Georgia State University, Atlanta, GA
Candace Jaruszewicz, Director, N. E. Miles Early Childhood Development Center, College of Charleston, Charleston, SC
Erica Jayasuriya, Certified Family Life Educator, Parenting Voyage, Portland, OR
Abigail M. Jewkes, Assistant Professor of Early Childhood Education, Hunter College, CUNY, New York, NY
Jim Johnson, Professor-in-Charge of Early Childhood Education, Pennsylvania State University, University Park, PA
C. Morrell Jones, Professor of Education, University of Arkansas at Monticello, Monticello, AR
Adell Kabins, Director, Banner Preschool, Wilmette, IL
Constance Kamii, Professor, University of Alabama at Birmingham, AL
Lilian G. Katz, Professor Emeritus and Co-director, Clearinghouse on Early Education and Parenting, University of Illinois, Champaign, IL
Sally C. Keller, Teacher, Noah’s Ark Preschool, Hastings, MI
Merrie B. King, Montessori Program Director and Associate Professor of Education, Belmont University, Nashville, TN
Ethan H. Kisch, M.D., Child Psychiatrist; Medical Director, Quality Behavioral Health, Warwick, RI
Robert H. Klein, Professor Emeritus of Physics, Cleveland State University, Cleveland, OH
Tovah Klein, Director, Center for Toddler Development, Barnard College, Columbia University, New York, NY
Edgar Klugman, Professor Emeritus, Wheelock College, Boston, MA
Allie Kohn, author and lecturer, Belmont, MA
Susan Kotansky, Pre-kindergarten teacher, PS 369, Bronx, NY
Carol S. Kranowitz, Author and lecturer on sensory processing disorder, Bethesda, MD
Stephen Krashen, Professor Emeritus, University of Southern California, Los Angeles, CA
Maris H. Krasnow, Clinical Associate Professor, Steinhardt School of Culture, Education, and Human Development, New York University, New York, NY
Linda Kroll, Professor, School of Education, Mills College, Oakland, CA
Vicki LaBoskey, Professor of Education, Mills College, Oakland, CA
Linda Lantieri, Director, The Inner Resilience Program, New York, NY
Deborah Lenny, Principal, Golden Valley Charter School of Sacramento, Orangevale, CA
Diane E. Levin, Professor of Early Childhood Education, Wheelock College, Boston, MA
Richard Lewis, Founder and Director, Touchstone Center for Children, New York, NY
Christopher Lind-White, M.D., Behavioral and Developmental Pediatrician, Corte Madera, CA
Susan Lyon, President, Susan Lyon Education Foundation, Mills College, Oakland, CA
Yeou-Cheng Ma, M.D., Developmental Pediatrician, Albert Einstein College of Medicine, Bronx, NY
Fran P. Mainella, Co-Chair, U.S. Play Coalition, Clemson University, Clemson, SC
Jill Manhart, Art Therapist, Boys Town National Research Hospital, Omaha, NE
Mary Beth Mann, Associate Professor, Child and Family Development, Missouri State University, Springfield, MO
David Marshak, Professor Emeritus, Seattle University, Bellingham, WA
Robin Haskell McBee, Professor, Department of Teacher Education, Rowan University, Glassboro, NJ
Nancy McKeever, Faculty, Bank Street College of Education, New York, NY
Milbrey McLaughlin, David Jacks Professor of Education, Stanford University, Stanford, CA
Gillian D. McNamee, Professor and Director, Teacher Education, Erikson Institute, Chicago, IL
Deborah W. Meier, Senior Researcher, Alliance for Childhood, New York, NY
Linda Metznerk, Faculty, Bank Street College of Education, New York, NY
Bill Michaels, Professor Emeritus, San Francisco State University, San Francisco, CA
Edward Miller, Senior Researcher, Alliance for Childhood, New York, NY
Mary Sue Miller, Lead Educator for Early Learning, Chicago Children’s Museum, Chicago, IL
Montana Miller, Assistant Professor, Department of Popular Culture, Bowling Green State University, Bowling Green, OH
Nancy Salomon Miranda, Teacher, PS 146, Brooklyn New School, Brooklyn, NY
Joan S. Monk, Education Director, Peter Pan Children’s Fund, Pound Ridge, NY
Lowell Monke, Associate Professor of Education, Wittenberg University, Springfield, OH
Mary Ruth Moore, Professor, University of the Incarnate Word, San Antonio, TX
Dorine Morese, Instructional Coordinator, NYC Office of Early Childhood Education, New York, NY
Francisco Nájera, Director, Dual Language Program, Bank Street College of Education, New York, NY
John Nimmo, Executive Director, Child Study and Development Center, University of New Hampshire, Durham, NH
Nel Noddings, Lee Jacks Professor Education Emerita, Stanford University, Stanford, CA
Pedro A. Noguera, Peter L. Agnew Professor of Education and Executive Director, Metropolitan Center for Urban Education, New York University, New York, NY
Susan Ohanian, Fellow, Education Policy Studies Laboratory, Arizona State University, Charlotte, VT
Sharna Olfman, Professor of Clinical and Developmental Psychology, Point Park University, Pittsburgh, PA
Linda Olivenbaum, Director, California Early Childhood Mentor Program, San Francisco, CA
Sandy Osborne, Site Director, infant, toddler, and preschool program, San Francisco Unified School District, San Francisco, CA
David Osher, Vice President, Education, Human Development, Workforce, American Institutes for Research, Washington, DC
Vivian Gussin Paley, author and teacher emerita, University of Chicago Laboratory Schools, Chicago, IL
Michael M. Patte, Associate Professor of Education, Bloomsburg University, Bloomsburg, PA
Kim John Payne, director, Center for Social Sustainability, Antioch University, Northampton, MA
Laura Peartree, Kindergarten Teacher, St. Pius X School, Loudonville, NY
Jane P. Perry, Research Coordinator and Teacher, Harold E. Jones Child Study Center, University of California, Berkeley, CA
Rosemary Pinto, Pre-K Instructional Coordinator, NYC Department of Education, Staten Island, NY
Barbara B. Plochman, Consultant, Winnetka Public School Nursery, Wilmette, IL
Helene Pniewski, M.D., Developmental Pediatrician and Child Psychiatrist, Family Service Association, Providence, RI
Ruth Prescott, Professional Development Director, Chicago Metro Association for the Education of Young Children, Chicago, IL
Margaret B. Puckett, Professor of Child Development and Early Childhood Education (retired), Texas Wesleyan University, Fort Worth, TX
Wende Ractliffe, President, Woodhouse Foundation, New York, NY
Tim Rambo, mental health counselor, Charlottesville, VA
Baji Rankin, Executive Director, New Mexico Association for the Education of Young Children, Albuquerque, NM
Halcyon Reese-Learned, Nature-based playscape designer, Nature Playscapes, Houston, TX
Fretta Reitzes, Director, Goldman Center for Youth and Family, 92nd Street Y, New York, NY
Rena Rice, Graduate School Faculty, Bank Street College of Education, New York, NY
Mary S. Rivkin, Associate Professor, University of Maryland, Baltimore County, Baltimore, MD
Joe Robertson, Director of Parent/Child Programs, Free to Be Under Three, New York, NY
Bonni Rosen, Kindergarten teacher, PS 1, Brooklyn, NY
Alvin Rosenfeld, M.D., Child Psychiatrist; Lecturer, Harvard Medical School, Boston, MA
Eliza Russell, Director of Education, National Wildlife Federation, Reston, VA
Susan Riemer Sacks, Professor of Psychology, Barnard College, Columbia University, New York, NY
Elizabeth Sawyer, kindergarten teacher, PS 321, Brooklyn, NY
Eric Schaps, President, Developmental Studies Center, Oakland, CA
Gil Schmerler, Director, Leadership for Educational Change Program, Bank Street College of Education, New York, NY
Lucy Schneider, Teacher, Rudolf Steiner School, New York, NY
Beverly Schumer, Dean of Education and Human Service, Baker College of Flint, Flint, MI
Barbara Schwartz, Associate Clinical Professor, Steinhardt School of Culture, Education & Human Development, New York University, New York, NY
Lawrence J. Schweinhart, President, HighScope Educational Research Foundation, Ypsilanti, MI
Stephanie Scroggins, Associate Professor of Child Development, Tarrant County College, Hurst, TX
Patricia Scully, Associate Professor of Early Childhood Education, University of Maryland, Baltimore County, Baltimore, MD
Sara Shifrin, Teacher and Librarian, Gould Academy, Bethel, ME
Dorothy G. Singer, Senior Research Scientist, Department of Psychology, Yale University, New Haven, CT
Jerome L. Singer, Professor Emeritus of Psychology, Yale University, New Haven, CT
Sara E. Soll, Director of Preschool Admissions, Brooklyn Friends School, Brooklyn, NY
Joanne Spitaliere, Counseling Psychologist, Wading River, NY
Judith Steilberg, Director, Early Childhood Education Program, Family & Children's Place, Louisville, KY
Suzanne Stevens, Preschool Head Teacher, Brooklyn Friends School, Brooklyn, NY
Mary Stone, President, Missouri Association for the Education of Young Children, Springfield, MO
John Surr, Advocate for Young Children, CEASE, Bethesda, MD
Michael Sustick, Lead teacher, Weekday Nursery School, Newton, MA
Maurice Sykes, Executive Director, Early Childhood Leadership Institute, University of the District of Columbia, Washington, DC
Steve Talbott, Senior Researcher, The Nature Institute, Ghent, NY
Patricia Tanzosh, Teacher, New Voices School of Academic & Creative Arts, Brooklyn, NY
Molly Thompson, Director, Early Childhood Programs, Breakwater School, Portland, ME
Arlene Uss, Director, Center for Early Care and Education, Bank Street College, New York, NY
Rosario Villasana-Ruiz, Faculty, City College of San Francisco, CA
John Ward, Consultant, Many Minds Breakthrough Facilitation, Laredo, TX
Macy Welsh, Director, National Lekotek Center, Chicago, IL
Donald Wertlieb, Professor, Eliot-Pearson Department of Child Development, Tufts University, Medford, MA
Sara Wilford, Director, Art of Teaching Graduate Program, Sarah Lawrence College, Bronxville, NY
Linda G. Williams, Assistant Professor, Eastern Michigan University, Ypsilanti, MI
Glen Williamson, Clinical social worker, New York, NY
Frank R. Wilson, M.D., Neurologist (retired), Stanford University School of Medicine, Portland, OR
Marie Winn, Writer, New York, NY
Lisa Witkowski, Director, Future Workforce Unit, Workforce Solutions for Tarrant County, Fort Worth, TX
Chip Wood, Author and educator, Courage and Renewal Northeast, Wellesley, MA
George Wood, Principal, Federal Hocking Middle & High School, Amesville, OH
Nancy Workman, Child/School Psychologist, Kings County Hospital Center, Brooklyn, NY
Karen Worth, Instructor, Wheelock College, Boston, MA
Martha D. Yorke, Professor and Early Childhood Department Chair, Erie Community College, Buffalo, NY

Note: Signers’ affiliations are listed for identification purposes only and do not signify the organizations’ endorsement of this statement. This is a partial listing; additional names will be added soon. For more information about this statement and the Alliance, contact Executive Director Joan Almon (joan.almon@verizon.net) or Senior Researcher Edward Miller (ed@allianceforchildhood.org)