

1 SB171  
2 216052-6  
3 By Senators Orr and Melson  
4 RFD: Education Policy  
5 First Read: 02-FEB-22

8 SYNOPSIS: This bill would establish the Alabama  
9 Numeracy Act and would prohibit the use of the  
10 curriculum standards, commonly known as the Common  
11 Core State Standards, in public K-12 schools.

12 This bill would provide further for improved  
13 mathematics instruction in public schools and would  
14 provide a means for increasing grade level  
15 proficiency in mathematics for public school  
16 students in grades K-5.

17 This bill would establish and provide for  
18 the duties of an Elementary Mathematics Task Force,  
19 a Postsecondary Mathematics Task Force, and an  
20 Office of Mathematics Improvement within the State  
21 Department of Education.

22 This bill would provide benchmarks, the  
23 monitoring of schools, state intervention for low  
24 performing schools, an Alabama Summer Mathematics  
25 Achievement Program, mathematics intervention  
26 services, and funding.

1                   This bill would provide specific  
2                   instructional practices for elementary school  
3                   educators, would specify the qualifications of  
4                   mathematics coaches and require their presence in  
5                   schools, and would require the State Superintendent  
6                   of Education to develop a K-5 mathematics coach  
7                   endorsement program and provide for the award of  
8                   the endorsement to certain qualified mathematics  
9                   coaches.

10                   This bill would also require the State  
11                   Superintendent of Education and the State Board of  
12                   Education to terminate the flexibility waiver  
13                   agreement with the United States Department of  
14                   Education pertaining to the federal Elementary and  
15                   Secondary Education Act, which includes the  
16                   adoption of the Common Core State Standards.

17  
18                   A BILL  
19                   TO BE ENTITLED  
20                   AN ACT

21  
22                   Relating to public education; to establish the  
23                   Alabama Numeracy Act and prohibit the use of the Common Core  
24                   State Standards in public K-12 schools; to implement steps to  
25                   improve mathematics proficiency of public school kindergarten  
26                   to fifth grade students and ensure that those students are  
27                   proficient in mathematics at or above grade level by the end

1 of fifth grade by monitoring the progression of each student  
2 from one grade to another, in part, by his or her proficiency  
3 in mathematics.

4 BE IT ENACTED BY THE LEGISLATURE OF ALABAMA:

5 Section 1. Sections 1 to 16, inclusive, shall be  
6 known and may be cited as the Alabama Numeracy Act.

7 Section 2. For the purposes of Sections 1 to 16,  
8 inclusive, the following terms shall have the following  
9 meanings:

10 (1) ALGEBRAIC REASONING. Recognizing and  
11 generalizing about patterns and relationships; representing  
12 patterns and relationships by analyzing structures of the  
13 patterns; and using mathematical models (concrete, pictorial,  
14 abstract) to represent patterns.

15 (2) AMSTI. The Alabama Mathematics, Science, and  
16 Technology Initiative.

17 (3) CARDINALITY. Understanding that the last number  
18 word said when counting tells how many objects have been  
19 counted.

20 (4) COMPUTATIONAL FLUENCY. Possessing efficient and  
21 accurate methods for computing.

22 (5) CONCEPTUAL UNDERSTANDING. The ability to reason  
23 in settings involving the careful application of concept  
24 definitions, relations, or representations of either.

25 (6) DEPARTMENT. The State Department of Education.

26 (7) DYSCALCULIA. A term used to refer to a pattern  
27 of learning difficulties characterized by problems processing

1 numerical information, learning arithmetic facts, performing  
2 accurate or fluent calculations, difficulties with  
3 mathematical reasoning, and difficulties with word reasoning  
4 accuracy.

5 (8) EARLY NUMERACY SCREENING. Standardized measures  
6 that assess a student's fluency in foundational mathematics  
7 skills.

8 (9) FLUENCY. The ability of students to choose  
9 flexibly among methods and strategies to solve contextual and  
10 mathematical problems, to understand and explain their  
11 approaches, and to produce accurate answers efficiently.

12 (10) LOCAL BOARD OF EDUCATION. A county or city  
13 board of education.

14 (11) LOCAL EDUCATION AGENCY. A county or city school  
15 system operating public primary and secondary schools.

16 (12) MENTAL COMPUTATION. The process of working on a  
17 problem and obtaining the exact or approximate answers  
18 mentally without reliance on external tools.

19 (13) NUMBER SENSE. The ability to represent numbers  
20 in multiple ways, numerical magnitude estimation, selecting  
21 and using benchmarks, such as tens or hundreds, decomposing  
22 and recomposing number, understanding the effects of  
23 operations on number, and performing mental calculation and  
24 estimation.

25 (14) NUMERACY. The ability to understand and work  
26 with numbers.

1           (15) OGAP. The Ongoing Assessment Project is a  
2 systematic, intentional, and iterative formative assessment  
3 system grounded in the research on how students learn  
4 mathematics.

5           (16) PLACE VALUE UNDERSTANDING. The understanding of  
6 representations and concepts necessary to successfully process  
7 multi-digit numbers.

8           (17) PROCEDURAL FLUENCY. The ability to apply  
9 procedures accurately, efficiently, and flexibly; to transfer  
10 procedures to different problems and contexts; to build or  
11 modify procedures from other procedures; and to recognize when  
12 one strategy or procedure is more appropriate to apply than  
13 another.

14           (18) SPATIAL REASONING. The capacity to mentally  
15 generate, transform, and rotate a visual image and thus  
16 understand and recall spatial relationships between objects.

17           (19) SUBITIZING. Quickly recognizing and naming how  
18 many objects are in a small group without counting.

19           (20) STEM. Science, technology, engineering, and  
20 mathematics.

21           Section 3. (a) Within 90 days following the  
22 effective date of this act, the State Superintendent of  
23 Education shall convene an Elementary Mathematics Task Force  
24 to provide the State Board of Education with vetted and  
25 approved recommendations for comprehensive mathematics and  
26 mathematics intervention programs and curricula; a state  
27 continuum of educator development for approved professional

1 learning focusing on improving number sense, spatial skills,  
2 algebraic reasoning, and mental computations; and an annual  
3 list of vetted and approved assessment systems which are valid  
4 and reliable mathematics screening, formative, and diagnostic  
5 assessment systems for selection and use by local education  
6 agencies.

7 (b) The membership of the Elementary Mathematics  
8 Task Force shall include all of the following:

9 (1) The Director of the Office of Mathematics  
10 Improvement.

11 (2) The State Superintendent of Education.

12 (3) Two public K-5 teachers, with experience in  
13 implementing OGAP or AMSTI foundational training, appointed by  
14 the Executive Director of the Alabama Education Association.

15 (4) One public K-5 special education teacher, with  
16 experience in implementing OGAP training or AMSTI foundational  
17 training, appointed by the State Superintendent of Education.

18 (5) One elementary AMSTI mathematics specialist,  
19 with experience providing OGAP training and supporting  
20 school-based mathematics coaches, appointed by the Alabama  
21 STEM Council.

22 (6) One elementary school-based mathematics coach,  
23 with experience in NUMBERS, AMSTI foundational training, or  
24 OGAP, or any combination thereof, appointed by the Executive  
25 Committee of the Alabama Council of Teachers of Mathematics.

26 (7) Two public elementary school principals, with  
27 experience supporting OGAP or AMSTI foundational training,

1 appointed by the Board of Directors of the Council for Leaders  
2 in Alabama Schools.

3 (8) One instructor employed by a public institution  
4 of higher education, with experience teaching elementary  
5 mathematics methods, appointed by the Alabama Commission on  
6 Higher Education.

7 (9) One local superintendent of education, with  
8 experience supporting schools in OGAP or AMSTI foundational  
9 training, appointed by the Board of Directors of the School  
10 Superintendents of Alabama.

11 (10) One local board of education member, appointed  
12 by the Alabama Association of School Boards.

13 (11) One AMSTI director or assistant director, with  
14 experience teaching and supporting grades K-5 mathematics,  
15 appointed by the State Superintendent of Education.

16 (12) One member of business and industry, with  
17 experience in employing individuals in occupations that are  
18 STEM focused and in demand, appointed by the Governor.

19 (13) Three additional members, appointed by the  
20 Governor.

21 (c) Members appointed to the Elementary Mathematics  
22 Task Force pursuant to subdivisions (3) through (7) of  
23 subsection (b) shall serve an initial term of one year and may  
24 be reappointed to serve one additional two-year term. Members  
25 appointed to the Elementary Mathematics Task Force pursuant to  
26 subdivisions (8) through (13) of subsection (b) shall serve an  
27 initial term of two years and may be reappointed to serve one



1 additional two-year term. Thereafter, each member of the  
2 Elementary Mathematics Task Force shall be appointed to serve  
3 a two-year term and may be reappointed to serve one additional  
4 two-year term. All appointing authorities shall coordinate  
5 their appointments so that diversity of gender, race, and  
6 geographical areas is reflective of the makeup of this state.  
7 The Governor shall fill vacancies by appointment for the  
8 unexpired terms according to the process outlined in this  
9 section.

10 (d) The members of the Elementary Mathematics Task  
11 Force shall not receive a salary but shall be reimbursed  
12 through the department for expenses incurred in the  
13 performance of their duties for the Elementary Mathematics  
14 Task Force in the same manner and at the same rate as is  
15 provided for state employees.

16 (1) The Director of the Office of Mathematics  
17 Improvement shall serve as chair and a vice chair shall be  
18 elected by the membership of the Elementary Mathematics Task  
19 Force. If the position of director is vacant, the vice chair  
20 shall serve as chair until the State Superintendent of  
21 Education appoints a new director.

22 (2) The Elementary Mathematics Task Force shall meet  
23 in regular session at least four times a year. The Elementary  
24 Mathematics Task Force shall set meeting dates and times, set  
25 agendas, vote, and develop recommendations to the State Board  
26 of Education in collaboration with the Office of Mathematics  
27 Improvement. A majority of the members of the Elementary

1 Mathematics Task Force shall constitute a quorum for the  
2 transaction of business. Should a quorum not be present on the  
3 day appointed for any meeting, those present may adjourn from  
4 day to day until a quorum is established.

5 (e) Each approved assessment system shall do all the  
6 following:

7 (1) Provide proven screening and diagnostic  
8 capabilities for monitoring student progress.

9 (2) For grades K-5, measure at a minimum, all of the  
10 following:

11 a. Number sequence.

12 b. One-to-one correspondence.

13 c. Cardinality.

14 d. Oral and written names for numbers based on grade  
15 level standards.

16 e. Subitizing.

17 f. Number relationships.

18 g. Addition, subtraction, multiplication, and  
19 division in word problems with a variety of problem types and  
20 structures based on grade level standards.

21 h. Connecting addition, subtraction, multiplication,  
22 and division to place value based on grade level standards.

23 i. Computational fluency with whole numbers,  
24 fractions, and decimals based on grade level standards.

25 j. Spatial reasoning based on grade level standards.

1           (3) Identify students who have a mathematics  
2 deficiency, including identifying students with  
3 characteristics of dyscalculia.

4           (f) In determining which assessment systems to  
5 approve for use by local education agencies, the Elementary  
6 Mathematics Task Force, in collaboration with the Office of  
7 Mathematics Improvement, at a minimum shall also consider all  
8 of the following factors:

9           (1) The time required to conduct each assessment  
10 with the intention of minimizing the impact of instructional  
11 time.

12           (2) The level of integration of assessment results  
13 with instructional support for educators and students.

14           (3) The timelines in reporting assessment results  
15 for educators, administrators, and parents.

16           Section 4. (a) There is created an Office of  
17 Mathematics Improvement within the State Department of  
18 Education that shall be formed no later than 90 days after the  
19 effective date of this act. The State Superintendent of  
20 Education shall appoint a Director of the Office of  
21 Mathematics Improvement whose exclusive focus is K-5  
22 mathematics. Each region shall have one coordinator who shall  
23 be appointed by the director. The director shall have  
24 experience in administrative duties, as an elementary  
25 mathematics specialist or coach, and teaching mathematics in a  
26 public elementary school.

1           (b) Each of the 11 regional coordinators shall have  
2 experience as a K-5 mathematics specialist or coach, with  
3 experience in training or supporting OGAP and teaching  
4 mathematics in a public school.

5           (c) Each regional coordinator, with the oversight of  
6 the director, shall oversee all of the following:

7           (1) Commencing with the summer of 2023, the Alabama  
8 Summer Mathematics Achievement Program, initially for the  
9 lowest six percent performing elementary schools, and  
10 thereafter increasing to include an additional one percent  
11 annually until the program is administered in the lowest 10  
12 percent performing elementary schools.

13           (2) The response to instruction process in schools  
14 identified for intensive interventions and supports by the  
15 Office of Mathematics Improvement.

16           (3) The implementation of mathematics curricula and  
17 intervention programs approved by the Elementary Mathematics  
18 Task Force for Tier 1, Tier 2, and Tier 3 instruction in  
19 schools identified for intensive interventions and supports by  
20 the Office of Mathematics Improvement.

21           (4) The monitoring and evaluating of data collected  
22 from AMSTI and local education agencies to make decisions for  
23 improvement to the mathematics coach program as needed to  
24 increase student achievement, collaboration, and support.

25           (5) The implementation of appropriate professional  
26 learning approved by the Elementary Mathematics Task Force for  
27 Tier 1, Tier 2, and Tier 3 instruction in schools identified

1 for intensive interventions and supports by the Office of  
2 Mathematics Improvement.

3 (6) The provision of recommendations for improvement  
4 to AMSTI and local education agencies based on data collected  
5 and analyzed by the Office of Mathematics Improvement.

6 (d) The Office of Mathematics Improvement, in  
7 collaboration with the Elementary Mathematics Task Force,  
8 shall do all of the following:

9 (1) Develop or procure a diagnostic interview tool  
10 for grades K-2 to determine key numeracy concepts students  
11 have mastered and uncover student misconceptions.

12 (2) Recommend training and support for educators for  
13 the effective implementation and interpretation of the  
14 diagnostic tool. The diagnostic tool shall be used with  
15 students who have been identified as struggling in mathematics  
16 based on benchmark assessments or teacher observation, or  
17 both.

18 (3) Develop screeners to accurately identify  
19 students in grades 4-5 who need intervention in fractional  
20 reasoning.

21 (4) Designate a team of educators to explore the  
22 connection between difficulties with number sense and  
23 dyscalculia, as well as possible effective screeners.

24 (5) Commit necessary resources to understanding the  
25 needs of students struggling with number sense or dyscalculia,  
26 or both, before implementing instructional practices or  
27 assessments that could adversely affect student learning.

1                   (6) Determine the scope and pace of scaling  
2 mathematics coaches with the goal of placing a mathematics  
3 coach in each school containing any combination of grades K-5  
4 before the 2027-2028 school year.

5                   (7) Develop an intensive professional development  
6 series on foundational mathematics content knowledge to  
7 include internal and external partners for the lowest 25  
8 percent performing elementary schools.

9                   (8) Monitor the implementation of intensive  
10 professional development on foundational mathematics content  
11 knowledge for the lowest 25 percent performing elementary  
12 schools.

13                   (9) Monitor AMSTI mathematics specialist support in  
14 the lowest 10 percent performing elementary schools.

15                   (10) Develop an instructional leadership framework  
16 based on research and best practices that identifies the  
17 desired essential competencies of a highly effective principal  
18 at the following levels:

- 19                   a. Aspiring. Preparing for principalship.
- 20                   b. Emerging. Receiving mentoring during the initial  
21 two years of practice.
- 22                   c. Developing. Developing and refining leadership  
23 skills.
- 24                   d. Transformational. Building necessary skills and  
25 knowledge to lead schools in ways fully responsive to the  
26 needs of students.

1                   (11) Establish a design team to develop training and  
2 materials to equip principal trainers in the work of  
3 facilitating, coaching, and mentoring principals for each  
4 level described in the leadership framework. The design team  
5 shall also develop resources to collect evidence of  
6 participant reactions, participant learning, organization  
7 support and change, participant use of new knowledge or  
8 skills, and student learning outcomes. Learning experiences  
9 determined by the design team shall include opportunities for  
10 in-person learning, virtual collaborations, regional meetings,  
11 and professional learning communities. Specific to mathematics  
12 leadership, administrators shall learn to do all of the  
13 following:

14                   a. Establish a clear and shared vision for  
15 mathematics teaching and learning, including all of the  
16 following:

17                   1. Measures of success to include continually  
18 monitoring the vision.

19                   2. Feedback for educators in meeting the vision and  
20 support for quality professional learning for educators,  
21 educator leaders, and mathematics coaches.

22                   3. Strategic placement of support structures to  
23 strengthen mathematics teacher practices and student  
24 performance.

25                   b. Establish norms for participation and  
26 collaboration in coaching cycles and professional learning.

1                   c. Identify and support effective mathematics  
2 teaching practices and student practices.

3                   d. Develop the ability to identify effective  
4 instructional practices in early childhood classrooms to  
5 improve numeracy.

6                   (12) Commencing in 2023, develop and implement a  
7 formative evaluation for administrators to do all of the  
8 following:

9                   a. Establish a clear set of expectations and goals.

10                   b. Adapt to level of experience.

11                   c. Connect to educator and student level outcomes.

12                   d. Provide training and support for school level  
13 instructional leaders.

14                   Section 5. (a) The Director of the Office of  
15 Mathematics Improvement shall convene and oversee a  
16 Postsecondary Mathematics Task Force to develop guidelines for  
17 institutions of postsecondary education to train elementary  
18 teachers based on current research. The guidelines shall  
19 include course structure and content based on the  
20 recommendations of the National Council of Teachers of  
21 Mathematics, the Conference Board of the Mathematical  
22 Sciences, the United States Department of Education, and the  
23 Mathematical Sciences Research Institute. Guidelines shall go  
24 into effect August 1, 2023. The membership of the  
25 Postsecondary Mathematics Task Force shall include all of the  
26 following:



1                   (1) The Director of the Office of Mathematics  
2 Improvement.

3                   (2) The State Superintendent of Education.

4                   (3) Two instructors employed by a public two-year or  
5 four-year institution of higher education physically located  
6 within the state, who each have experience teaching elementary  
7 mathematics methods and have received OGAP training, appointed  
8 by the Alabama Commission on Higher Education.

9                   (4) One department head of elementary education  
10 employed by a public two-year or four-year institution of  
11 higher education physically located within the state,  
12 appointed by the Governor.

13                   (5) One local superintendent of education, appointed  
14 by the Board of Directors of the School Superintendents of  
15 Alabama.

16                   (6) One public school teacher employed at a school  
17 containing grades K-5, with experience mentoring teacher  
18 interns, appointed by the State Board of Education.

19                   (7) One public school special education teacher  
20 employed at a school containing grades K-5, with experience  
21 mentoring teacher interns, appointed by the State  
22 Superintendent of Education.

23                   (8) One public school principal employed at a school  
24 containing grades K-5, with experience with teacher interns,  
25 appointed by the Council for Leaders in Alabama Schools.

1           (b) All appointing authorities shall coordinate  
2 their appointments so that diversity of gender, race, and  
3 geographical areas is reflective of the makeup of this state.

4           Section 6. (a) The State Board of Education, by  
5 rule, shall establish a coherent and sustained system of  
6 assistance and support for schools not attaining identified  
7 levels of achievement or not showing specified levels of  
8 progress as determined by the Office of Mathematics  
9 Improvement. The Office of Mathematics Improvement shall  
10 specify appropriate academic intervention for those K-5  
11 schools that are in the lowest 10 percent performing schools  
12 on the summative assessment system approved by the State Board  
13 of Education.

14           (b) The Office of Mathematics Improvement shall  
15 assign a school improvement team to each school identified for  
16 academic intervention. A school improvement team shall do all  
17 of the following:

18           (1) Conduct a comprehensive on site evaluation of  
19 each low-performing school to determine any causes for the low  
20 performance and lack of progress of the school. The evaluation  
21 shall include presentations by the local superintendent of  
22 education, the chair of the local board of education, the  
23 school principal, a parent, and other school personnel.

24           (2) Present to the local board of education, the  
25 Director of the Office of Mathematics Improvement, and the  
26 State Superintendent of Education recommendations including,  
27 but not limited to, recommendations relating to the

1 reallocation of resources and technical assistance, changes in  
2 school procedures or operations, professional learning focused  
3 on student achievement for instructional and administrative  
4 staff, intervention for individual administrators or teachers,  
5 instructional strategies based on scientifically based  
6 research, waivers from state laws or rules, adoption of  
7 policies and practices to ensure all groups of students  
8 satisfy the proficiency level established by the state,  
9 extended instruction time for low-performing students,  
10 strategies for parental involvement, incorporation of a  
11 teacher mentoring program, or other actions the team considers  
12 appropriate.

13 (3) Assist in the development of an intensive school  
14 improvement plan focused on student achievement.

15 (4) Monitor the progress of the school in  
16 implementing the intensive school improvement plan focused on  
17 student achievement.

18 (5) If a school is subject to intervention for two  
19 consecutive years, the school improvement team shall  
20 recommend, and the Director of the Office of Mathematics  
21 Improvement shall appoint, a school management team to oversee  
22 and direct the duties of the principal of the school, in  
23 relation to the school, until school performance improves and  
24 the school is released from intervention by the Director of  
25 the Office of Mathematics Improvement. If a school is subject  
26 to intervention for three or more consecutive years, the local  
27 board of education shall do one of the following:

1           a. On recommendation of the school management team,  
2 remove certain school personnel, including the principal, who  
3 have not been effective in producing student achievement gains  
4 during intervention.

5           b. Pursue application for public charter school  
6 status pursuant to Chapter 6F, Title 16, Code of Alabama 1975.

7           c. Mandate the complete reconstitution of the  
8 school, removing all personnel, appointing a new principal,  
9 and hiring all new staff. Existing staff may apply for  
10 employment at the newly reconstituted school.

11           (c) The Office of Mathematics Improvement shall  
12 clearly define the powers and duties of each school  
13 improvement team and each school management team appointed to  
14 oversee the operations of a school.

15           (d) Annually, on or before December 31, the Office  
16 of Mathematics Improvement shall report to the State Board of  
17 Education the status of each intervention imposed during the  
18 preceding year and shall recommend whether to end, extend, or  
19 upgrade the intervention.

20           (e) Before an intervention is imposed, the  
21 applicable local board of education may examine any data  
22 considered by the Office of Mathematics Improvement in support  
23 of the intervention and may offer any corrections,  
24 explanations, or supplements to that data. The Office of  
25 Mathematics Improvement may accept or reject any offers  
26 proposed by the local board of education.

1 (f) A local board of education may request an  
2 opportunity for a hearing before the State Board of Education  
3 to show cause against the necessity of an intervention. An  
4 intervention may not be stayed pending the hearing or the  
5 determination of the State Board of Education. A determination  
6 by the State Board of Education is final.

7 (g) The Office of Mathematics Improvement shall  
8 adopt rules, pursuant to the Alabama Administrative Procedures  
9 Act, as necessary to implement and administer this section.

10 (h) The State Superintendent of Education shall  
11 comply with all requests for data from the Office of  
12 Mathematics Improvement and shall make every effort to assist  
13 the Office of Mathematics Improvement with implementing and  
14 administering this section.

15 (i) Annually, no later than January 15, the Director  
16 of the Office of Mathematics Improvement shall submit to the  
17 Governor, the Lieutenant Governor, the Speaker of the House of  
18 Representatives, the President Pro Tempore of the Senate, the  
19 Chair of the House Ways and Means Education Committee, the  
20 Chair of the Senate Finance and Taxation Education Committee,  
21 the Chair of the House Education Policy Committee, and the  
22 Chair of the Senate Education Policy Committee, a report that  
23 details the status of the implementation and adoption of the  
24 mathematics education guidelines for postsecondary  
25 institutions, the number of subject matter college level  
26 semester hours earned, the status of partnerships between  
27 educator preparation faculty and mathematics faculty, and the

1 percentage of passing scores on State Board of Education  
2 approved assessments for candidates seeking educator  
3 certification in mathematics.

4 Section 7. Funds appropriated by the Legislature in  
5 support of Sections 1 to 16, inclusive, shall be expended for  
6 all of the following:

7 (1) Local mathematics coaches, teachers in  
8 residence, regional mathematics specialists, the operations of  
9 the Office of Mathematics Improvement, professional learning  
10 activities, and administrative activities.

11 (2) Administration and analysis of mathematics  
12 screening and formative and diagnostic assessments to guide  
13 instruction.

14 (3) Professional learning in evidence-based  
15 practices along with an Elementary Mathematics Task Force  
16 vetted and approved standards-based curriculum to include the  
17 Effective Mathematics Teaching Practices, Student Mathematical  
18 Practices, visual representations, multisensory activities,  
19 concrete materials, schema instruction, metacognitive  
20 strategies, promoting student discourse, and  
21 presenting/comparing multiple solutions.

22 (4) Differentiated mathematics instruction and  
23 intensive vetted and approved intervention based on student  
24 need, including students exhibiting the characteristics of  
25 dyscalculia.

26 (5) A full time AMSTI regional math specialist to  
27 provide support to the schools identified for intensive

1 interventions and supports by the Office of Mathematics  
2 Improvement.

3 (6) AMSTI mathematics specialists to provide support  
4 to local education agencies, whereby the regional mathematics  
5 specialists shall support struggling schools until the schools  
6 have improved core instruction to the extent that the schools  
7 are no longer identified for intensive interventions and  
8 supports by the Office of Mathematics Improvement.

9 (7) An external consultant to provide evaluation of  
10 the work of mathematics coaches' implementation and outcomes  
11 described in Section 10.

12 Section 8. (a) Each elementary school teacher, with  
13 the full support of their principal, shall do all of the  
14 following:

15 (1) Dedicate an average minimum of 60 minutes per  
16 day for Tier 1 mathematics instruction for a minimum of 164  
17 instructional hours per year.

18 (2) Build fluency with procedures on a foundation of  
19 conceptual understanding, strategic reasoning, and problem  
20 solving over time.

21 (3) Provide students access to tools that will  
22 support mathematical thinking.

23 (4) Provide a learning environment that promotes  
24 student reasoning, student discourse, and student questioning  
25 and critiquing the reasoning of their peers.

26 (5) Gather evidence of student understanding to  
27 inform the planning of next instructional steps.

1           (6) Provide students with descriptive and timely  
2 feedback on assessments to include strengths, weaknesses, and  
3 next steps for progress toward learning targets.

4           (7) Consistently implement the Effective Mathematics  
5 Teaching Practices included on the 2019 Alabama Course of  
6 Study: Mathematics and any future derivation thereof.

7           (8) Use a variety of high-quality print and online  
8 resources and curricula approved by the Elementary Mathematics  
9 Task Force to carefully plan units and lessons based on the  
10 2019 Alabama Course of Study: Mathematics and any future  
11 derivations thereof.

12           (9) Incorporate mathematical tools and technology as  
13 a daily part of the mathematics classroom.

14           (b) An elementary school teacher may not engage in  
15 any practice that minimizes sense making and understanding of  
16 mathematics concepts.

17           Section 9. (a) Each K-5 school shall be assigned one  
18 mathematics coach for every 500 students.

19           (b) A mathematics coach, who shall be employed by  
20 the State Superintendent of Education with funds appropriated  
21 by the Legislature to support the provisions of Sections 1 to  
22 16, inclusive, shall meet all of the following qualifications  
23 on the date of initial employment:

24           (1) Hold a valid Alabama professional education  
25 certificate in elementary education or special education.

26           (2) Have a minimum of five years of experience as an  
27 elementary or special education teacher.



1           (3) Demonstrate expertise, as attested by a current  
2 or former employing county or city superintendent of  
3 education, in mathematics instruction and intervention,  
4 dyscalculia specific interventions, and early numeracy  
5 interventions.

6           (4) Hold a master's degree and professional  
7 development in AMSTI foundational training or OGAP.

8           (c) The duties and responsibilities of a mathematics  
9 coach employed pursuant to Sections 1 to 16, inclusive, shall  
10 include all the following:

11           (1) Supporting the improvement of instruction with  
12 an emphasis on Tier 1 instruction to ensure students do not  
13 fall behind.

14           (2) Collaborating with the school principal and  
15 faculty to establish a strategic plan for mathematics coaching  
16 to improve student achievement in mathematics.

17           (3) Facilitating schoolwide mathematics professional  
18 learning.

19           (4) Modeling evidence-based mathematics  
20 instructional and intervention strategies for teachers.

21           (5) Continuously mentoring and coaching teachers.

22           (6) Assisting teachers in using data to  
23 differentiate mathematics instruction and to identify students  
24 displaying the signs of dyscalculia.

25           (7) Enhancing mathematics content area professional  
26 learning for teachers and interventions for exceptional  
27 students, including dyscalculic students.

1           (8) Monitoring progress of K-5 students in  
2 mathematics at least three times per year and making  
3 recommendations for modifying instruction based on the  
4 individual needs of students and trends in student data.

5           (9) Focusing solely as a mathematics coach for  
6 schools with elementary grade students.

7           (10) Collaborating with building-level  
8 administrators, building-level staff, and district-level  
9 personnel to develop and implement mathematics-specific  
10 coaching, goals, resources, and strategies to improve student  
11 achievement in mathematics.

12           (11) Collaborating with teachers and grade-level  
13 teams of teachers to effectively use appropriate instructional  
14 materials, to include concrete materials, necessary to ensure  
15 that students understand mathematical concepts.

16           (12) Collaborating with grade level teams to develop  
17 rigorous tasks, lessons, and assessments aligned with the 2019  
18 Alabama Course of Study: Mathematics and any derivation  
19 thereof, to facilitate the analysis of student work samples  
20 and assessment data, and to work in partnership with teachers  
21 to provide real-time feedback and make next-step instructional  
22 decisions based on the student evidence.

23           (13) Assisting teachers in using formative  
24 assessments and analyzing student work to identify students  
25 with misconceptions, students displaying signs of dyscalculia,  
26 and students needing acceleration.

1           (14) Assisting teachers administering early numeracy  
2 screenings in grades K-2 to identify students in need of a  
3 diagnostic assessment to provide prescriptive, intensive  
4 intervention and support not to exceed two hours per week.

5           (15) Assisting teachers with administering  
6 fractional reasoning screeners for students in grades 3-5 to  
7 identify students in need of a diagnostic assessment to  
8 provide prescriptive, intensive intervention and support not  
9 to exceed two hours per week.

10          (16) Advocating, planning, and coordinating  
11 opportunities for school-based parent, guardian, or community  
12 engagement in mathematics, or any combination thereof.

13          (17) Developing and facilitating job-embedded and  
14 other ongoing professional learning opportunities for  
15 teachers, using coaching strategies, including joint  
16 preplanning, modeling lessons, coteaching lessons, targeted  
17 observation to collect data, and debriefing.

18          (18) Participating actively and cooperatively in all  
19 AMSTI support visits and professional learning to meet agreed  
20 upon personal outcomes and all school, state, and district  
21 established mathematics goals.

22          (19) Actively seeking help and support to grow in  
23 knowledge, skills, and expertise in mathematics.

24          (20) Utilizing assessment data in all tiers of  
25 mathematics instruction to make decisions that will move  
26 students to higher levels of performance in mathematics.

1           (21) Planning or facilitating, or both, professional  
2 learning opportunities that will assist teachers in targeting  
3 student deficits; facilitating professional conversations;  
4 fostering student engagement; assessing student learning;  
5 reflecting on professional practice; and identifying next  
6 learning steps to achieve state, district, and school goals in  
7 mathematics.

8           (22) Recording job duties and time spent with  
9 teachers daily on a state specified electronic platform.

10          (23) Supporting teachers in the authentic  
11 integration of computer science and computational thinking  
12 concepts within the mathematics classroom.

13          (d) A mathematics coach employed by the State  
14 Superintendent of Education pursuant to Sections 1 to 16,  
15 inclusive, may not perform administrative duties, serve in  
16 administrative roles, serve as a substitute teacher, serve as  
17 a testing coordinator, or serve as an interventionist.

18          (e) The State Superintendent of Education, or his or  
19 her designee, and the Office of Mathematics Improvement, shall  
20 certify that each mathematics coach employed pursuant to  
21 Sections 1 to 16, inclusive, satisfies the minimum  
22 qualifications established in this section.

23          (f) The State Superintendent of Education shall  
24 develop, and the Elementary Mathematics Task Force and Office  
25 of Mathematics Improvement shall approve, an evidenced based  
26 accountability system for measuring the effectiveness of  
27 mathematics coaches employed pursuant to Sections 1 to 16,

1 inclusive, for improving teacher professional learning and for  
2 increasing student growth and proficiency on state approved,  
3 criterion referenced formative and summative assessments of  
4 mathematics that shall be vetted and approved by the  
5 Elementary Mathematics Task Force and Office of Mathematics  
6 Improvement.

7 (g) Mathematics coaches shall be employed pursuant  
8 to 200 day contracts. The extra days beyond the nine month  
9 contract shall be used to train teachers, develop units of  
10 instruction and materials to support instruction as determined  
11 by school data, and provide professional learning for the  
12 coach.

13 (h) The Director of the Office of Mathematics  
14 Improvement shall submit an empirical report to the Governor,  
15 the Lieutenant Governor, the Speaker of the House of  
16 Representatives, the President Pro Tempore of the Senate, the  
17 Chair of the House Ways and Means Education Committee, the  
18 Chair of the Senate Finance and Taxation Education Committee,  
19 the Chair of the House Education Policy Committee, and the  
20 Chair of the Senate Education Policy Committee, no later than  
21 January 15, annually, measuring the influence of mathematics  
22 coaches on teacher professional learning and student growth  
23 and proficiency on state approved, criterion-referenced  
24 formative and summative assessments of K-5 mathematics.

25 Section 10. (a) The Executive Committee of the  
26 Alabama STEM Council shall secure an external consultant to  
27 provide evaluation of the work of mathematics coaches

1 beginning January 15, 2023, and evaluate the implementation  
2 and outcomes. The consultant shall be selected through an open  
3 request for proposals process written by the executive  
4 committee. The proposals shall be reviewed by a panel of key  
5 stakeholders chosen by the executive committee and shall be  
6 assessed using a defined set of priority indicators. The  
7 executive committee shall appoint a panel of 11 stakeholders  
8 to review the proposals. The membership of the panel shall  
9 include all of the following:

10 (1) An elementary school based math coach.

11 (2) Two elementary math educators.

12 (3) Two parents of students who are enrolled in and  
13 attending a public K-5 school.

14 (4) The Director of AMSTI, or his or her designee.

15 (5) One AMSTI elementary mathematics specialist.

16 (6) One elementary public school principal.

17 (7) One instructor employed by a public two-year or  
18 four-year institution of higher education, with experience  
19 teaching elementary mathematics methods.

20 (8) Two additional members appointed by the  
21 Executive Director of the Alabama STEM Council.

22 (b) The external evaluation consultant shall design  
23 and enact a comprehensive evaluation plan to help with both  
24 success and sustainability of the mathematics coaching  
25 program. This work shall include, but not be limited to,  
26 defining measures, developing instruments, using instruments  
27 to collect data, analyzing data, the quarterly and annually

1 reporting of findings, and developing and implementing a  
2 measurement sustainability plan. The findings shall be used to  
3 determine adjustments to be made for continuous improvement to  
4 both quality of implementation and assurance of desired  
5 outcomes. The evaluation shall include a cost benefit return  
6 on investment study.

7 (c) The external evaluation consultant shall submit  
8 an annual report on or before January 30 each year. Quarterly  
9 reports shall be submitted no later than the last day of the  
10 month following each quarter. Quarterly and annual reports  
11 shall be submitted to the Governor, the Lieutenant Governor,  
12 the Speaker of the House of Representatives, the President Pro  
13 Tempore of the Senate, the Chair of the House Ways and Means  
14 Education Committee, the Chair of the Senate Finance and  
15 Taxation Education Committee, the Chair of the House Education  
16 Policy Committee, and the Chair of the Senate Education Policy  
17 Committee, and the Executive Committee of the Alabama STEM  
18 Council.

19 (d) Continued funding dedicated to elementary  
20 mathematics coaches shall be contingent on measurable  
21 performance growth, as determined by the external evaluator.

22 (e) The State Superintendent of Education and the  
23 Director of Mathematics Improvement shall comply with all  
24 requests for data and information from the external evaluator  
25 and shall make every effort to assist with the recommended  
26 improvements.

1           Section 11. (a) Educator preparation programs at  
2 public two-year and four-year institutions of higher education  
3 in the state shall incorporate learning specific to the  
4 condition known as dyscalculia, including early warning signs,  
5 screening, and recommendations for interventions found to be  
6 successful.

7           (b) Guidelines for those institutions of higher  
8 education to train elementary teachers, developed by the  
9 Postsecondary Mathematics Task Force, shall go into effect  
10 August 1, 2024.

11           (c) A comprehensive, independent review shall be  
12 conducted every four years and a report given to the Director  
13 of the Office of Mathematics Improvement.

14           (d) As a requirement of initial licensure, beginning  
15 with the 2023-2024 school year, candidates for initial  
16 elementary certification shall receive a passing score, as  
17 determined by the State Board of Education, which shall base  
18 its determination on the national score average during the  
19 preceding academic year on a foundational mathematics  
20 assessment for entry level teachers of mathematics. Beginning  
21 with the graduating class of 2024, teachers seeking an initial  
22 elementary certification who have passed the edTPA and a  
23 foundational mathematics assessment may no longer be required  
24 to pass an additional mathematics assessment.

25           Section 12. (a) On or before June 30, 2023, the  
26 State Superintendent of Education shall develop and submit to  
27 the State Board of Education for approval, recommendations for



1 the creation of a K-5 mathematics coach endorsement for  
2 teachers who hold a valid Alabama professional education  
3 certificate in elementary education or special education and  
4 at least three years of teaching experience.

5 (b) The K-5 mathematics coach endorsement shall be  
6 offered only as a post baccalaureate program and shall not be  
7 included within an initial educator preparation program.

8 (c) The K-5 mathematics coach endorsement  
9 preparation program described in program planning forms,  
10 catalogs, and syllabi shall require field experience and a  
11 minimum of the following four courses:

12 (1) One course focused on grades K-2 content  
13 knowledge and pedagogical content knowledge.

14 (2) One course focused on grades 3-5 content  
15 knowledge and pedagogical content knowledge.

16 (3) One course focused on coaching principles.

17 (4) One course focused on literacy in mathematics  
18 education to include analyzing student work for instructional  
19 decisions.

20 (d) The coaching endorsement shall prepare  
21 candidates who demonstrate conceptual understanding and  
22 procedural fluency regarding major concepts of mathematics  
23 appropriate for grades K-5. Candidates shall satisfy all of  
24 the following:

25 (1) Demonstrate coaching principles to include:  
26 Goals, principles, and approaches in the Alabama Coaching  
27 Framework.

1                   (2) Understand adult learning principles that  
2 support collaboration with the ultimate goal of improved  
3 student performance.

4                   (3) Possess leadership experience.

5                   (4) Understand the roles of school-based mathematics  
6 coaches.

7                   (5) Understand current research on how students  
8 learn.

9                   (6) Translate research findings into effective  
10 instruction.

11                  (7) Know what engages students in learning at  
12 various stages of growth and development.

13                  (8) Understand the developmental nature of  
14 mathematics and the interconnections among mathematical  
15 concepts.

16                  (9) Demonstrate knowledge of the phases students  
17 move through in developing fluency.

18                  (10) Demonstrate knowledge of common errors and  
19 misconceptions about the operations and how to help students.

20                  (11) Demonstrate knowledge of the basic structures  
21 and problem types of word problems for all operations and  
22 proper sequencing to support students' understanding of the  
23 meaning of the operations.

24                  (12) Demonstrate understanding of teaching  
25 mathematics through problem solving.

1                   (13) Demonstrate understanding of algebra as an  
2 established content strand in grades K-5 that supports  
3 algebraic thinking in middle and high school.

4                   (14) Demonstrate understanding of measurement as a  
5 continuous quantity with numerical value and its importance to  
6 the mathematically literate citizen.

7                   (15) Understand the importance of spatial sense in  
8 students and the connection to academic success in STEM  
9 fields.

10                   (16) Use a variety of mental computation techniques.

11                   (17) Model, explain, and develop a variety of  
12 computational algorithms.

13                   (18) Describe and represent mathematical  
14 relationships.

15                   (e) The K-5 mathematics coach endorsement program  
16 shall do all of the following:

17                   (1) Prepare candidates who have knowledge of  
18 historical developments in mathematics that includes the  
19 contributions of underrepresented groups and diverse cultures.

20                   (2) Prepare candidates who use their knowledge of  
21 student diversity to affirm and support full participation and  
22 continued study of mathematics by all students. This diversity  
23 includes gender, ethnicity, socioeconomic background,  
24 language, special needs, and mathematical learning styles.

25                   (3) Prepare candidates who use appropriate  
26 technology to support the learning of mathematics.

1                   (4) Prepare candidates who use appropriate  
2 assessment methods to assess student learning and program  
3 effectiveness.

4                   (5) Prepare candidates who use formative assessments  
5 to monitor student learning and to adjust instructional  
6 strategies and activities.

7                   (6) Prepare candidates to use summative assessments  
8 to determine student achievement and to evaluate the  
9 mathematics program.

10                  (7) Prepare candidates to know when and how to use  
11 student groupings such as collaborative groups, cooperative  
12 learning, and peer teaching.

13                  (8) Prepare candidates to use instructional  
14 strategies based on current research.

15                  (9) Prepare candidates to work on an  
16 interdisciplinary team and in an interdisciplinary  
17 environment.

18                  (10) Prepare candidates to participate actively in  
19 the professional community of mathematics educators.

20                  (11) Prepare candidates to analyze and organize data  
21 for interpretation and application.

22                  (f) Subject to legislative appropriations, the State  
23 Superintendent of Education may establish an incentive program  
24 to provide a minimum two thousand five hundred dollar (\$2,500)  
25 annual stipend for any mathematics coach who has earned a K-5  
26 mathematics coach endorsement.

1                   Section 13. (a) (1) A kindergarten student or  
2 incoming 1-5 grade student identified with a mathematics  
3 deficiency, or who demonstrates the signs of dyscalculia,  
4 shall be provided intensified mathematics interventions  
5 approved by the Elementary Mathematics Task Force to remedy  
6 his or her specific mathematics deficiency. A K-5 student who  
7 exhibits a mathematics deficiency based on a State Board of  
8 Education approved assessment or classroom formative  
9 assessment shall receive immediate mathematics intervention.

10                   (2) The mathematics teacher of the student receiving  
11 mathematics intervention shall prepare both quarterly and end  
12 of year reports detailing any mathematics intervention  
13 provided.

14                   a. Quarterly reports, which shall be submitted to  
15 the principal, shall include all of the following:

- 16                   1. The name of the student.
- 17                   2. The name of the teacher providing the  
18 intervention.
- 19                   3. The mathematics deficiency or deficiencies  
20 addressed.
- 21                   4. The State Board of Education approved mathematics  
22 intervention program or curricula, or both, used to improve  
23 the student's deficiency or deficiencies.
- 24                   5. Mathematics intervention services and supports  
25 implemented from the list provided in subsection (b).
- 26                   6. Any tools used to monitor student progress.
- 27                   7. Student growth.

1                   b. End of year reports, which shall be provided to  
2 the parent or legal guardian of the student and his or her  
3 mathematics teacher for the immediately succeeding school  
4 year, shall include all of the following:

5                   1. The information provided in the quarterly reports  
6 under paragraph a.

7                   2. Student growth for the school year based on a  
8 State Board of Education approved mathematics assessment.

9                   3. Mathematics strengths and areas in need of  
10 improvement of the student.

11                   (b) Each local education agency shall provide the  
12 following mathematics intervention services for K-5 grade  
13 students identified with deficiencies:

14                   (1) Effective instructional strategies to accelerate  
15 student progress provided by a highly qualified teacher who  
16 has training and experience in the implementation of teaching  
17 mathematics through problem solving; providing an environment  
18 for students to make sense of cognitively demanding tasks;  
19 providing justifications for strategies and solutions; making  
20 connections with the mathematics; and receiving feedback about  
21 mathematics ideas.

22                   (2) Working with an effective or highly effective  
23 teacher of mathematics, as demonstrated by student mathematics  
24 performance data and teacher performance evaluations.

25                   (3) Mathematics intervention services and supports  
26 to correct any identified area of mathematics deficiency  
27 including, but not limited to, any of the following:

1           a. Additional instructional time devoted to  
2 evidence-based mathematics instruction and interventions to  
3 include engaging, high quality, rigorous supplemental sessions  
4 approved by the Elementary Mathematics Task Force.

5           b. Incorporating material from a previous grade to  
6 link understanding to grade level curriculum.

7           c. Incorporating a concrete, semi-concrete, abstract  
8 approach.

9           d. Incorporating explicit systematic strategy  
10 instruction, including summarizing key points and reviewing  
11 vocabulary prior to the lesson.

12           e. Utilizing mathematics strategies or programs, or  
13 both, which have been vetted and approved by the Elementary  
14 Mathematics Task Force, that are evidence-based, and which  
15 have demonstrated proven results in accelerating student  
16 mathematics achievement within the same school year.

17           f. Providing daily targeted small group mathematics  
18 intervention based on student needs.

19           g. Attending to conceptual understanding as well as  
20 procedural fluency.

21           h. Frequently monitoring the progress of the  
22 mathematics skills of each student throughout the school year  
23 and adjusting instruction according to student need.

24           i. Providing supplemental, evidence-based  
25 mathematics interventions before or after school, or both,  
26 which are approved by the Elementary Mathematics Task Force  
27 and delivered by a teacher who has training and experience in

1 the implementation of teaching mathematics through problem  
2 solving; providing an environment for students to make sense  
3 of cognitively demanding tasks; providing justifications for  
4 strategies and solutions; making connections with the  
5 mathematics; and receiving and providing feedback about  
6 mathematics ideas.

7 j. Providing a home based mathematics plan,  
8 including participation in parent training workshops or  
9 regular parent-guided home mathematics activities.

10 (c) Beginning with the 2023-2024 school year:

11 (1) Kindergarten students shall be assessed at the  
12 beginning of the year, mid-year, and at the end of the year  
13 using the early numeracy screening approved by the Elementary  
14 Mathematics Task Force.

15 (2) Incoming first and second grade students shall  
16 be assessed using the early numeracy screening approved by the  
17 Elementary Mathematics Task Force.

18 (3) Any first or second grade student identified  
19 with a mathematics deficiency, based on grade level to include  
20 counting and recognizing whole numbers, comparing and ordering  
21 numbers, composing and decomposing numbers, and operations  
22 with whole numbers, shall be provided intensified Elementary  
23 Mathematics Task Force approved mathematics interventions to  
24 remedy his or her specific needs.

25 (4) Any incoming third grade student identified as  
26 struggling with any of the following shall be provided



1 intensified Elementary Mathematics Task Force approved  
2 mathematics interventions to remedy his or her specific needs:

- 3 a. Operations of addition and subtraction.
- 4 b. Properties of operations.
- 5 c. Counting and recognizing numbers to 1,000.
- 6 d. Understanding of models for addition and  
7 subtraction within 1,000.
- 8 e. Comparing and ordering numbers up to 1,000.
- 9 f. Composing and decomposing numbers up to 1,000.
- 10 g. Solving one-step and two-step word problems  
11 involving addition and subtraction within 100.
- 12 h. Using a variety of strategies and algorithms,  
13 based on place value.

14 (d) Beginning with the 2023-2024 school year, any  
15 incoming fourth or fifth grade student shall be assessed using  
16 the fractional reasoning screener approved by the Elementary  
17 Mathematics Task Force. Any fourth or fifth grade student  
18 identified with a fractional reasoning deficiency shall be  
19 provided intensified mathematics interventions approved by the  
20 Elementary Mathematics Task Force to remedy his or her  
21 specific fractional reasoning deficiency.

22 (e) Beginning with the 2024-2025 school year, any  
23 incoming fourth grade student identified as struggling with  
24 any of the following shall be provided intensified Elementary  
25 Mathematics Task Force-approved mathematics interventions to  
26 remedy his or her specific needs:

1                   (1) Representing unit fractions with area and length  
2 models.

3                   (2) Representing equivalent fractions using a  
4 variety of objects and pictorial models.

5                   (3) Understanding of multiplication and division and  
6 strategies for multiplication and division within 100.

7                   (4) Understanding of the meanings of multiplication  
8 and division of whole numbers involving equal-sized groups,  
9 arrays, and measurement quantities.

10                  (5) Solving one-step and two-step word problems  
11 involving addition and subtraction within 1,000 using a  
12 variety of strategies and algorithms, based on place value.

13                  (6) Generating and solving problem situations for a  
14 given mathematical number sentence involving addition and  
15 subtraction of whole numbers using a variety of strategies and  
16 algorithms, based on place value.

17                  (f) Beginning with the 2024-2025 school year, any  
18 incoming fifth grade student identified as struggling with any  
19 of the following shall be provided intensified Elementary  
20 Mathematics Task Force approved mathematics interventions to  
21 remedy his or her specific needs:

22                   (1) Comparing and ordering whole numbers up to  
23 1,000,000.

24                   (2) Comparing and ordering fractions and decimals to  
25 hundredths.

1 (3) Using place value understanding and properties  
2 of operations to perform multi-digit arithmetic with whole  
3 numbers.

4 (4) Illustrating and explaining the product of two  
5 factors using equations, rectangular arrays, and area models.

6 (5) Adding and subtracting fractions and mixed  
7 numbers with like denominators using fraction equivalence and  
8 properties of operations.

9 (6) Understanding the relationship between addition  
10 and subtraction.

11 (7) Multiplying a whole number and a fraction.

12 Section 14. (a) Beginning with the 2023-2024 school  
13 year, the State Department of Education Office of School  
14 Improvement shall do all of the following:

15 (1) Participate in mandatory professional learning  
16 to know what to look for as evidence of students using Student  
17 Mathematical Practices identified in the 2019 Alabama Course  
18 of Study: Mathematics and any derivation thereof.

19 (2) Participate in professional learning to know  
20 what to look for as evidence of teachers implementing the  
21 Effective Mathematics Teaching Practices from the 2019 Alabama  
22 Course of Study: Mathematics.

23 (3) Add educators experienced in the implementation  
24 of teaching elementary mathematics through problem solving to  
25 office staff.

26 (b) Schools performing in the bottom 10 percent of  
27 mathematics achievement shall do all of the following:

1           (1) Use approved curricula for core instruction as  
2 approved by the Elementary Mathematics Task Force.

3           (2) Use approved curricula for intervention programs  
4 as approved by the Elementary Mathematics Task Force.

5           (3) Engage and implement professional learning as  
6 determined by the assigned school improvement team.

7           (4) Use an approved formative assessment selected by  
8 the Elementary Mathematics Task Force.

9           (5) Engage and implement professional learning for  
10 principals and assistant principals as determined by the  
11 assigned school improvement team.

12           (6) Support and respond to the requests of the  
13 Office of Mathematics Improvement.

14           (c) Annually, on or before September 30, each local  
15 education agency shall report in writing to the State  
16 Superintendent of Education all of the following information  
17 relating to the previous school year:

18           (1) By grade, the number and percentage of all K-5  
19 students identified with a mathematics deficiency on a State  
20 Board of Education approved mathematics assessment.

21           (2) By grade, the number and percentage of students  
22 screened for dyscalculia characteristics, number and  
23 percentage of students identified as demonstrating the  
24 characteristics of dyscalculia and receiving dyscalculia  
25 specific intervention, and the name of the dyscalculia  
26 specific intervention being provided.

1           (3) By grade, the number and percentage of all K-5  
2 students performing on grade level and above grade level on a  
3 State Board of Education approved mathematics assessment.

4           (4) The total number and percentage of students  
5 starting fifth grade with a mathematics deficiency, including  
6 the specific area of mathematics deficiency.

7           (5) The total number and percentage of fifth grade  
8 students who started third grade with a mathematics deficiency  
9 and completed fifth grade on grade level as determined by the  
10 fifth grade state standardized assessment in mathematics.

11           (6) By grade, the total number and percentage of  
12 eligible K-5 students who attended summer programs that  
13 included intensive mathematics instruction.

14           (7) By grade, the number and percentage of all  
15 students retained in grades K-5.

16           (8) By school, the number of teachers who have  
17 earned the K-5 mathematics coach endorsement.

18           (9) By school, the total number, and percentage, of  
19 incoming fourth and fifth grade students identified as having  
20 fractional reasoning deficiencies.

21           (d) The State Board of Education, by rule, shall  
22 establish a uniform format for local education agencies to use  
23 in reporting the information required by subsection (c). The  
24 format shall be developed with input from local boards of  
25 education and shall be provided to each local board of  
26 education no later than 90 days before the annual due date.  
27 Annually, on or before November 1, the State Superintendent of

1 Education shall compile the information received from the  
2 local education agencies into state level summary information  
3 and report the information to the State Board of Education,  
4 the public, the Governor, the Lieutenant Governor, the  
5 President Pro Tempore of the Senate, the Speaker of the House  
6 of Representatives, and the Director of the Office of  
7 Mathematics Improvement.

8 (e) The State Superintendent of Education shall  
9 report annual mathematics growth and proficiency targets for  
10 all students and all subgroups based on the state Every  
11 Student Succeeds Act plan to the Elementary Mathematics Task  
12 Force and the Director of the Office of Mathematics  
13 Improvement by the 15th day of January of each year.

14 Section 15. (a) The Alabama Mathematics Summer  
15 Achievement Program is established and shall be available to  
16 all K-5 students in public elementary schools that are among  
17 the schools identified for intensive interventions and  
18 supports by the Office of Mathematics Improvement.

19 (b) Each local education agency shall provide  
20 Alabama Mathematics Summer Achievement Program mathematics  
21 camps to all K-5 students identified with a mathematics  
22 deficiency.

23 (c) Summer mathematics camps provided through the  
24 Alabama Mathematics Summer Achievement Program shall satisfy  
25 all of the following:

26 (1) Be staffed with highly effective teachers of  
27 mathematics as demonstrated by student mathematics performance

1 data, completion of professional learning determined by the  
2 Elementary Mathematics Task Force, and teacher performance  
3 evaluations.

4 (2) Include 60-70 hours of time spent in mathematics  
5 problem solving.

6 (3) Incorporate an Elementary Mathematics Task Force  
7 and Office of Mathematics Improvement approved mathematics  
8 assessment system that shall be administered at the beginning  
9 and end of the summer mathematics camp to measure student  
10 progress.

11 (4) Be held in conjunction with existing summer  
12 programs conducted by the local education agency or in  
13 partnership with community-based summer programs, designated  
14 as effective by the Elementary Mathematics Task Force with the  
15 oversight of the Office of Mathematics Improvement.

16 Section 16. (a) The State Superintendent of  
17 Education and the Office of Mathematics Improvement shall  
18 provide technical assistance to local education agencies in  
19 complying with Sections 1 to 16, inclusive.

20 (b) The State Board of Education, in collaboration  
21 with the Office of Mathematics Improvement, shall adopt rules  
22 as necessary to implement and enforce Sections 1 to 16,  
23 inclusive.

24 Section 17. (a) The Legislature finds that the State  
25 Board of Education, in the fall of 2013, voted to rescind the  
26 Memorandum of Agreement that involved the State of Alabama in  
27 adopting the Common Core State Standards, which ceded control

1 of Alabama's standards to entities other than the state and  
2 local educational agencies.

3 (b) In order to codify the intent of the State Board  
4 of Education, the State of Alabama hereby terminates all  
5 plans, programs, activities, efforts, and expenditures  
6 relative to the implementation of the educational initiative  
7 commonly referred to as the Common Core State Standards.

8 (c) As part of the termination process, the  
9 Legislature directs the State Superintendent of Education, the  
10 State Board of Education, and any other public education  
11 authority to terminate the flexibility waiver agreement with  
12 the United States Department of Education pertaining to the  
13 federal Elementary and Secondary Education Act, which includes  
14 the adoption of the Common Core State Standards.

15 (d) The Legislature further prohibits the adoption  
16 or implementation of any national standards or variations of  
17 national standards from any source that cede control of  
18 Alabama educational standards in any manner.

19 (e) The state shall retain sole control over the  
20 development, establishment, and revision of K-12 course of  
21 study standards.

22 (f) No education entity or any state official shall  
23 join any consortium or any other organization when  
24 participation in that consortium or organization would cede  
25 any measure of control over any aspect of Alabama public  
26 education to any such entity.



1                   (g) Nothing in this section shall be construed to  
2 affect, prohibit, or inhibit the use of any of the following  
3 tools, standards, or certifications in the public K-12  
4 schools, any college entrance examination, workforce skills  
5 assessment or examination, advanced placement course, career  
6 technical credential, national board certification, academic  
7 language therapy certification, Praxis or other core academic  
8 skills for educators test, armed service vocational aptitude  
9 test, or International Baccalaureate standard.

10                   Section 18. This act shall become effective  
11 immediately following its passage and approval by the  
12 Governor, or its otherwise becoming law.