

Early Childhood Literacy & Math Plan

1. Vision & Goals

Our Early Childhood Literacy and Math Plan aims to ensure all students build strong foundational skills in reading, writing, numeracy, and problem-solving beginning in PK3, leading to on-grade-level mastery by the end of 3rd grade and continued growth through 8th grade.

Core Goals:

- All students read on or above grade level by the end of 3rd grade.
- All students demonstrate numeracy proficiency by the end of 2nd grade and algebraic thinking readiness by 5th grade.
- Early childhood instruction supports whole-child development and fosters confidence, curiosity, and independence.

2. Instructional Framework (PK3–3rd Grade)

A. Literacy Framework

Instructional Approach:

- Structured Literacy aligned with the **Science of Reading**
- TEKS-aligned units
- Balanced components: phonics, phonological awareness, vocabulary, comprehension, fluency, and writing

Daily Literacy Components (90–120 minutes total):

- 1. Foundational Skills Block (30–45 min)**
 - Explicit phonemic awareness (Heggerty-style)
 - Systematic phonics instruction
 - Handwriting and early encoding
- 2. Reading Workshop (30–45 min)**
 - Mini-lesson (TEKS-based)
 - Independent reading
 - Guided reading/teacher-led small groups
 - Conferring with students
- 3. Writing Block (20–30 min)**
 - Modeled writing
 - Shared writing
 - Early sentence construction
 - Opinion, narrative, and informational writing
- 4. Read-Aloud with Vocabulary & Comprehension (10–15 min)**
 - Interactive TEKS-aligned discussions

Key Literacy Interventions:

- Tier 2 small-group phonics and fluency (3–5x/week)
- Tier 3 intensive intervention using research-based programs (daily)
- Dyslexia screening and services following **Texas Dyslexia Handbook**

B. Math Framework

Instructional Approach:

- TEKS-based, concept-first instruction
- Concrete → Representational → Abstract (CRA) model
- Emphasis on number sense, problem-solving, and reasoning

Daily Math Block (60–90 minutes):

1. **Mini-Lesson (10–15 min)**
2. **Hands-On Exploration (10–15 min)**
3. **Guided Practice/Small Groups (20–30 min)**
4. **Math Centers (10–15 min)**
5. **Fluency Practice (5–10 min)**

Key Math Interventions:

- Number sense small groups (PK–2)
- Fact fluency intervention (1–3)
- Early numeracy screeners (TX-KEA, MAP numeracy)

3. Instructional Framework for Upper Grades (4–8th Grade)

Literacy Focus

- TEKS-aligned comprehension strategy instruction
- Vocabulary development across content areas
- Writing instruction across genres
- Fluency support for struggling readers
- Intervention for students below grade level using small groups and adaptive technology

Math Focus

- Strong alignment to Texas Essential Knowledge and Skills (TEKS)
- Bridge from computation → pre-algebra → algebra readiness
- Skills reinforced through problem-based learning and real-world applications
- Targeted intervention/enrichment blocks

4. Assessment & Progress Monitoring

Literacy Assessments

- **TX-KEA** (PK4/K)
- **TPRI or mCLASS** (K–3)
- **MAP Growth** (K–8)

- Unit assessments every 3–4 weeks
- Running records (monthly or biweekly for identified students)

Math Assessments

- **MAP Growth Math (K–8)**
- TEKS-aligned checkpoints
- Daily exit tickets
- Fluency tracking for grades PK–3

Data Cycles

- Teachers and instructional leaders conduct 6–8-week data cycles:
 - Analyze literacy and math data
 - Adjust groups
 - Identify intervention and enrichment needs
 - Track growth in data dashboards

5. Early Intervention & RTI

Tier 1: High-Quality Classroom Instruction

- Differentiated small groups in literacy and math
- TEKS-aligned, research-based curriculum

Tier 2: Targeted Support

- Small-group instruction 3–5x/week
- Focused on specific skill deficits (phonics, fluency, numeracy)

Tier 3: Intensive Intervention

- Daily small-group or one-on-one
- Progress monitoring weekly
- Collaboration with reading specialists, interventionists, and SPED

6. Family Engagement

- Family literacy and math nights
- Home reading logs and take-home decodable readers
- Monthly newsletters with family-friendly strategies
- Workshops on early childhood development, dyslexia, and foundational math skills
- Parent access to student progress through data portals

7. Professional Development

- Annual training in Science of Reading
- Ongoing coaching for phonics instruction and guided reading
- Math PD on the CRA model and problem-solving strategies

- Quarterly data meetings and PLCs
- New teacher academy with early childhood best practices

8. Schoolwide Supports

- Literacy-rich classrooms with accessible libraries
- Math manipulatives available in all PK–5 classrooms
- Intervention blocks built into master schedule
- Use of evidence-based programs (e.g., iStation, Amplify Reading, Zearn Math)
- Cross-curricular alignment (science and social studies integrated with literacy)

9. Monitoring Measures & Success Indicators

By the end of each year:

PK3–K

- Students demonstrate early literacy skills (letters, sounds, blending, early numeracy)
- 80% meet or exceed TX-KEA benchmarks

Grades 1–3

- 70–85% meet grade-level reading TEKS

- 70–85% meet numeracy TEKS benchmarks
- Reduced number of students requiring Tier 3 intervention

Grades 4–8

- Growth on MAP in ELA and Math
- Increased STAAR proficiency and progress rates
- Strong algebra readiness by 8th grade