

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.
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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**
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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)
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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
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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
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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
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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
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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
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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)
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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