LITERACY SPOTLIGHT: UNDERSTANDING READING DIFFICULTIES

JUNE 16, 2025



AGENDA & MEETING PURPOSE

- Connect with trustees from across the state
- Learn about the latest research on dyslexia
- Understand new policies for screening for reading difficulty
- Receive state legislation and budget update



ACCBE KEY GOALS



Advocate & Amplify: ACCBE is solely dedicated to develop and advocate on legislative and policy issues for county boards of education, ensuring a unified and strong voice representing the unique interest of County Boards on issues impacting County Offices of Education.



Partnerships for Success: ACCBE is committed to building a strong partnership with the California Superintendent's Association, and coalitions with other allied groups to leverage resources and expertise in support of student success.



Engage, Elevate, & Empower: ACCBE builds leadership capacity within County Boards, fostering collaboration and peer support.



Forward-Looking: ACCBE focuses on innovation solutions to address the evolving challenges/changes in education.



ICEBREAKER - RESEARCH AND CURRENT EVENTS

- 1. Name and County, Years of Services
- 2. Respond to the question below in the chat or off mute:
 - What was the common practice for teaching reading when you were younger? How did you learn to read?



SPEAKERS



Dr. Maria Luisa Gorno Tempini University of California San Francisco Director, UCSF Dyslexia Center





Translational Neuroscience: Understanding Reading Difficulties

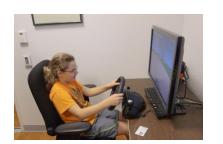
Maria Luisa GornoTempini, MD, PhD

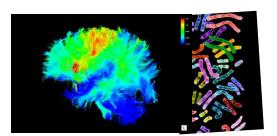
Charles Schwab Distinguished Professor in Dyslexia and Neurodevelopment UCSF School of Medicine



UCSF Neuroscience for Impact: Multidisciplinary and Collaborative

BASIC RESEARCH







CLINICAL CARE







COMMUNITY PARTNERSHIPS

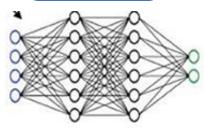






TECHNOLOGY







POLICY/JUSTICE







Neurology, psychiatry, psychology, basic neuroscience, education, engineering, policy

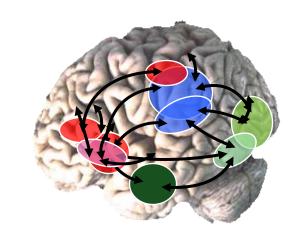
Different aspect of Behavior depend on Brain Networks: Specialization depends on early exposure to "data"

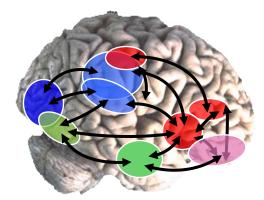
Left hemisphere: Language

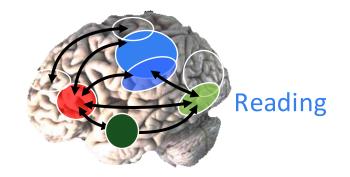
Phonology/orthography
Verbal Executive/attention
Visual words
Vocabulary
Arithmetic facts

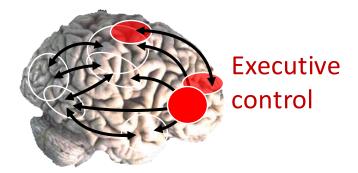


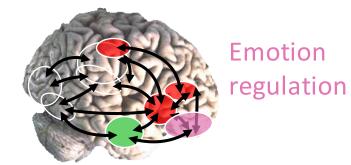
Visuo-spatial
Visual Executive/attention
Socio-emotional
Visual math



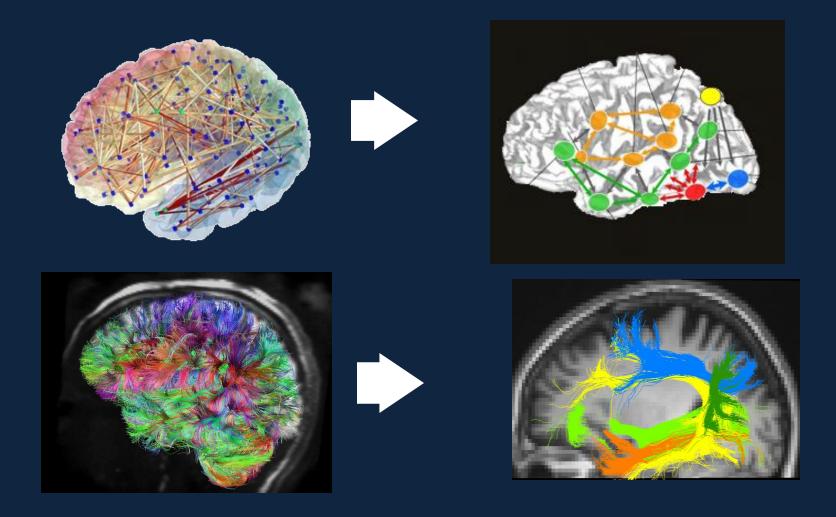








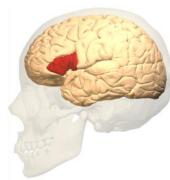
Neural Network Development: Dynamic Specialization influenced by environment with <u>critical periods</u>



Language first domain studied by Behavioral Neuroloscience Written Language is Complicated

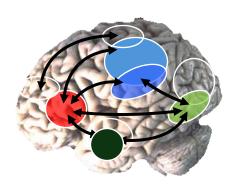
- Skill unique to humans
- Evolutionarily new skill (~6,000 yrs old) with no time for a dedicated brain circuit to have evolved (Dehaene. Reading in the Brain '09)
- Decoding print needs to be explicitly taught
- Heritable (Grigorenko. '04)
- Ubiquitous but heavily influenced by culture and writing system



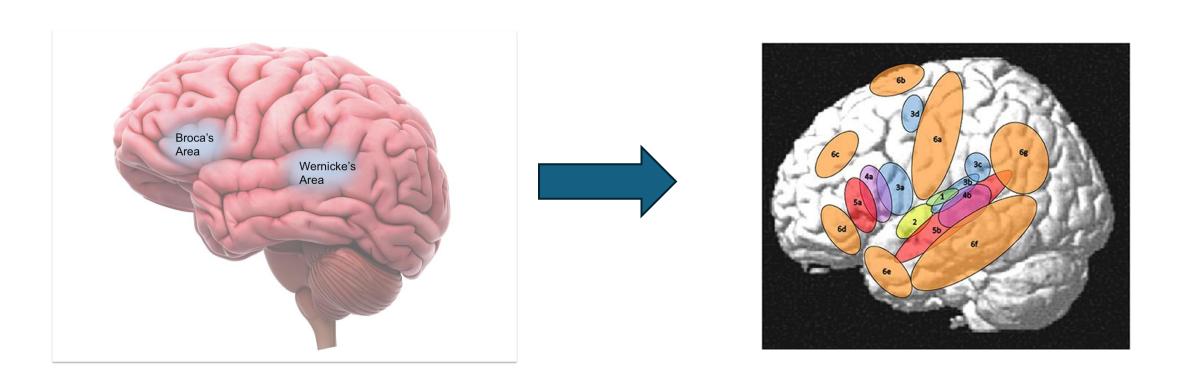




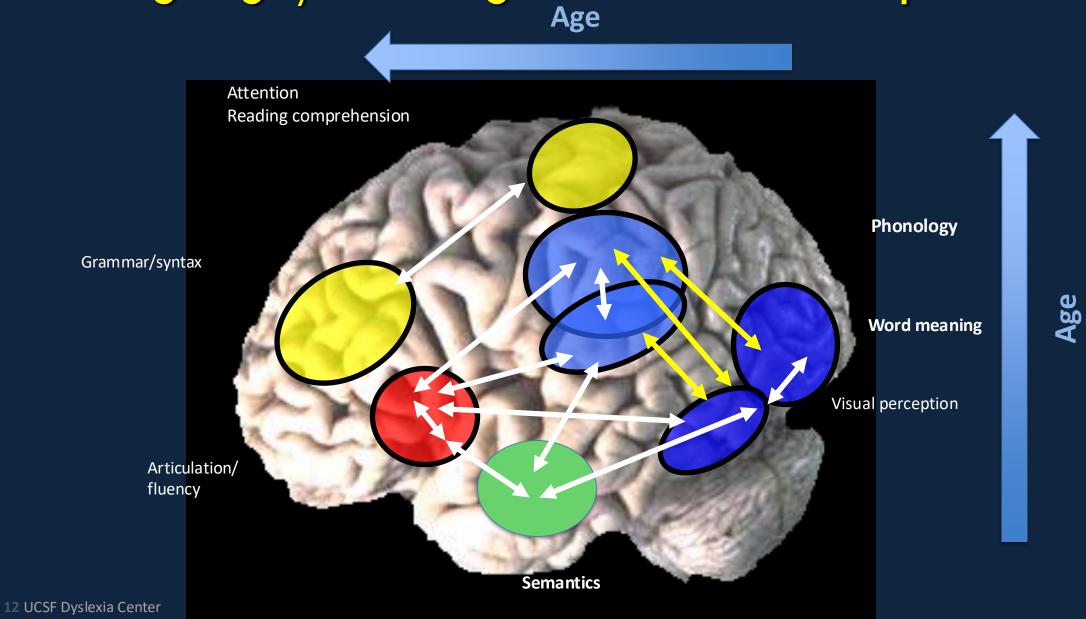




Scientific progress in cognitive science of language (and reading)



Language/Reading networks development



Developmental Dyslexia

- Specific learning disability of neurobiological origin.
- Difficulties with accurate and/or fluent word recognition and by poor spelling and decoding abilities.
- Preserved cognitive abilities and <u>adequate instruction</u>.
- Often phonological difficulties with errors in speech and reading/spelling, slow word retrieval (rapid
 Rapid Automatized Naming) naming), phonological short-term memory difficulties
 (difficulty learning only by listening)

The classic triad of symptoms

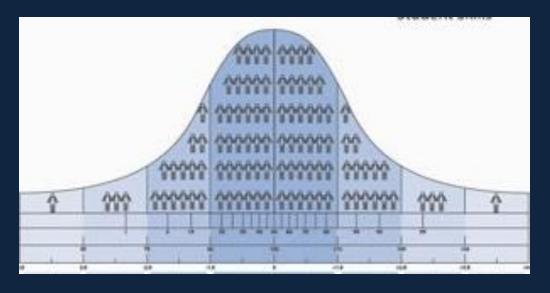
Phonological Awareness

Auditory Short-term

DSM's preferred terminology: Specific Learning Disorder, Reading Impairment

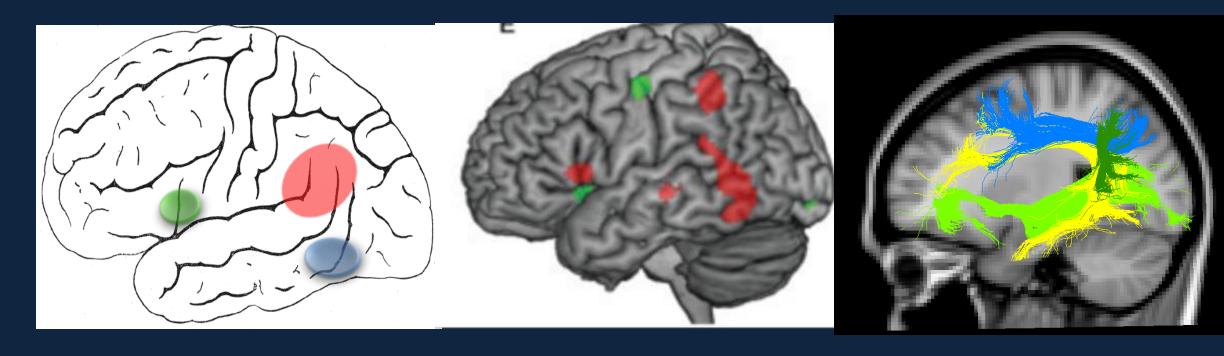
Prevalence

- Depends on the cut-off criterion used
 - Absolute poor performance: 1.5 SD below the mean on reading measures
 OR
 - Relative poor performance: IQ-achievement discrepancy >1.5
 OR
 - Response to intervention (RTI)
- Prevalence estimated ~10 %
 - Depending on severity
 - Estimates vary from 1.5-20%
 - Age
 - Language spoken
 - Definition



Most children need explicit instruction!

Brain differences in developmental dyslexia



Functional and structural changes in hubs and connections of the language network

Reading is complicated! Important Concepts to Remember

Biological Factors

Genes

Exposure

Instruction

Language

Developmental Periods

Attention

Auditory

Phonological

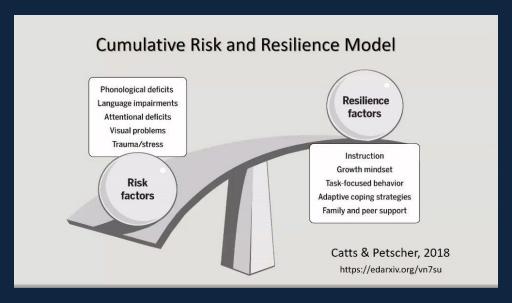
Visual

Oral Language

Executive Functioning

Cognitive Factors

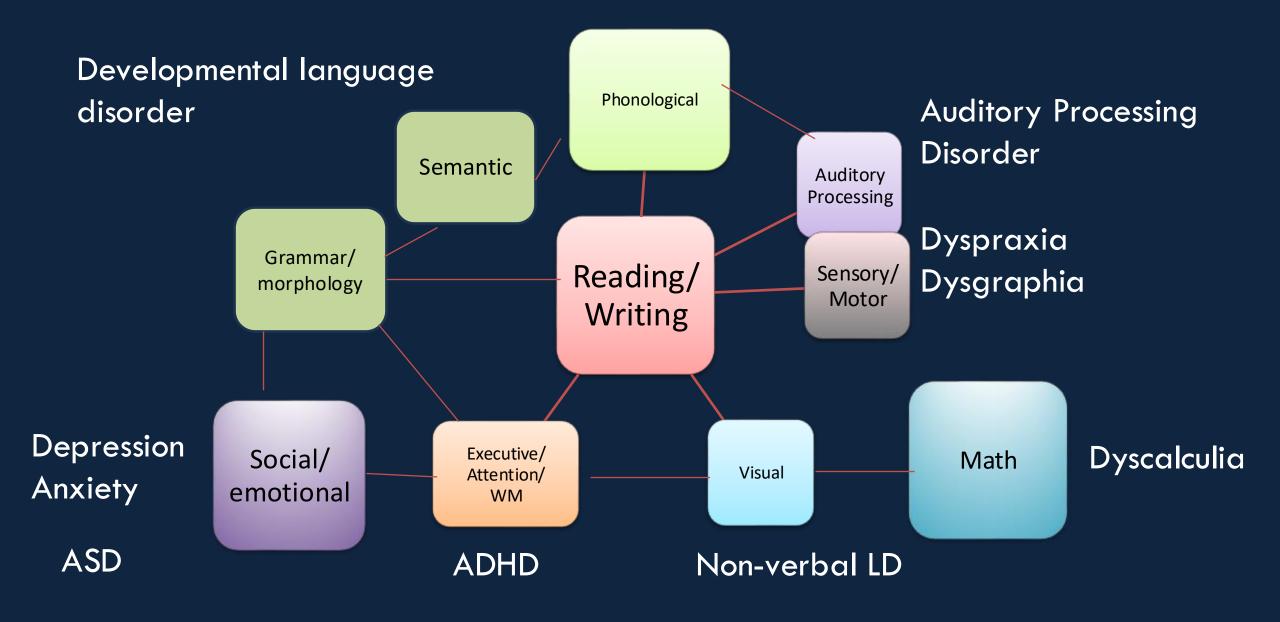
- Manifestation of Dyslexia



Risk Factors and Common Signs

- Delayed language milestones 2 words together by age 2: "late talkers"
- Early Difficulty with:
 - Learning ABCs, matching sounds with letters, rhyming
 - Learning color names, math facts (arbitrary links between symbols and sounds/words)
 - Following spoken directions
- Later Difficulties:
 - Substituting words or leaving out words while reading/spelling errors
 - Behavioral issues/fidgeting particularly evident in school or homework
 - Reading comprehension challenges
 - Disorganized writing
 - Anxiety and depression
- Consider strengths: Visuo-spatial, long-term memory, OL comprehension
- Family history of learning or school difficulties (e.g., reading, spelling, math),
 speech/language delay, ADHD

Heterogeneity in Dyslexia



Interventions: Considerations

- Oral Language/background knowledge/home language
- <u>Early</u>, evidence-based, systematic, explicit instruction is necessary
- All aspects of language: phonology, phonics, morphology, vocabulary, grammar. Consider age



Multimodal instruction

Earlier Action for effective Learning:

Early screening to predict future reading strengths and challenges, including Dyslexia. **GRADE** Ideal time to screen Typical window Intervention most effective for identification



Importance of Early Screening and Intervention

EDUCATIONAL

SOCIAL + EMOTIONAL

ECONOMIC



Timely identification and intervention help students thrive in academic and non/academic environments



Accurate identification of learning difficulties combined with support can decrease anxiety, increase resilience, ease frustration + improve self-efficacy



Low reading proficiency by 3rd grade results in higher high school drop-out rates, higher risk of system involvement, loss in earnings and productivity



Early Predictors of reading difficulties

- Phonological awareness
- Rapid naming
- Short-term memory (repetition)
- Expressive vocabulary
- Oral language comprehension
- Letter naming/sounds reading
- Visuo-spatial processing/attention
- Family history of dyslexia

Clear evidence in English monolinguals.

Bilinguals?

Assess in native language, appropriately normed, culturally affirmative.

More evidence needed

California Education Code Section 53008

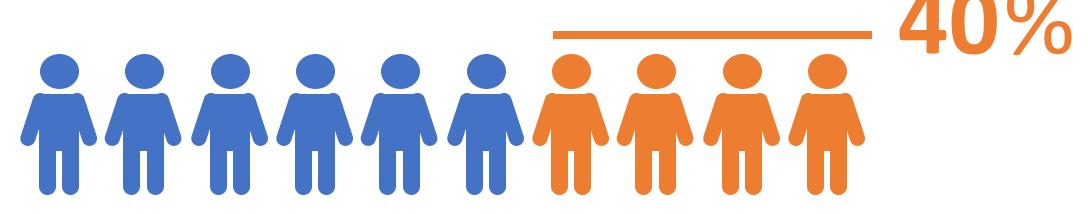


"The bill would require a local educational agency serving pupils in **kindergarten or grades 1 or 2** to, commencing no later than the 2025–26 school year, and annually thereafter, assess each pupil in those grades using the adopted screening instrument, except as provided."



Home language counts!

Forty percent of California Public School Students report speaking a language other than or in addition to English at home. This includes the eighteen percent of students identified as English learners.

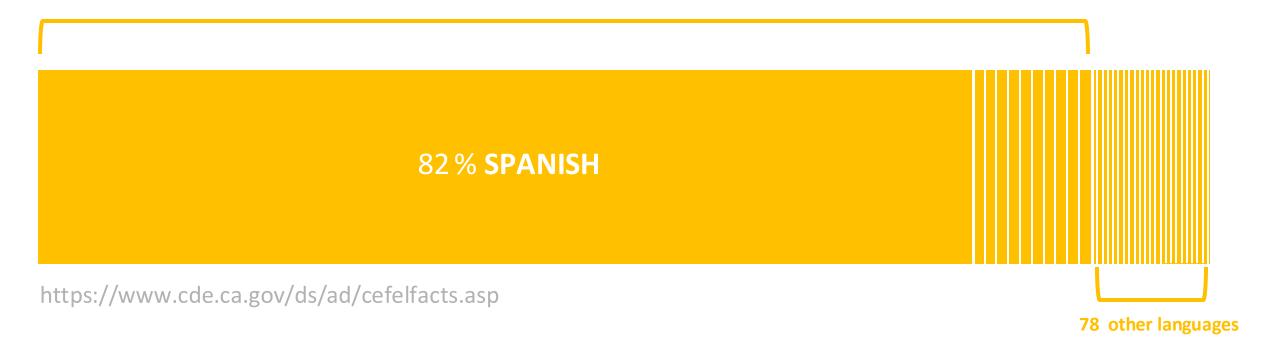


https://www.cde.ca.gov/ds/ad/cefelfacts.asp



Of those learning English...

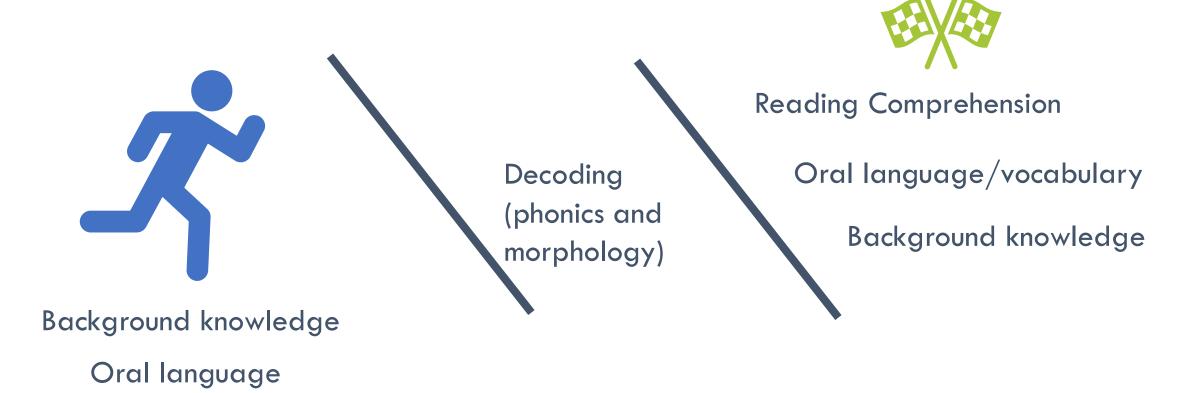
93% speak one of the top 10 languages





Skill transfer from Spanish to English: Children with strong oral language in both are better readers

Emerging Bilinguals need to continue building:





Purpose of Universal Screening

Screening assessments are not considered diagnostic



They **identify** a subset of the population who should have **additional assessment** to determine personalized early interventions

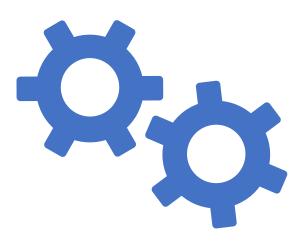




Need for culturally and linguistically affirming tool

Embracing the diversity of language and culture that enrich our state

ASSESSMENT TASK
DEVELOPMENT



Parallel development of tasks in English + Spanish. Inclusion of oral language tasks. Careful selection and review of test items to avoid bias and ensure cultural relevance.

DEMOGRAPHIC SAMPLE



Representative sample of 15,000+ students across California, including 25%-40% English Learners. WORKFORCE DIVERSITY





Local field research staff reflect and appreciate students' cultural + linguistic diversity. Native speakers represent the diversity of Spanish spoken in California.







Developed with scientists, educators, legislators, and professionals to ensure inclusivity and representation

grounded in science and collaboration

accurate and affirming

Fair and accurate measurement to support equitable reading outcomes for all

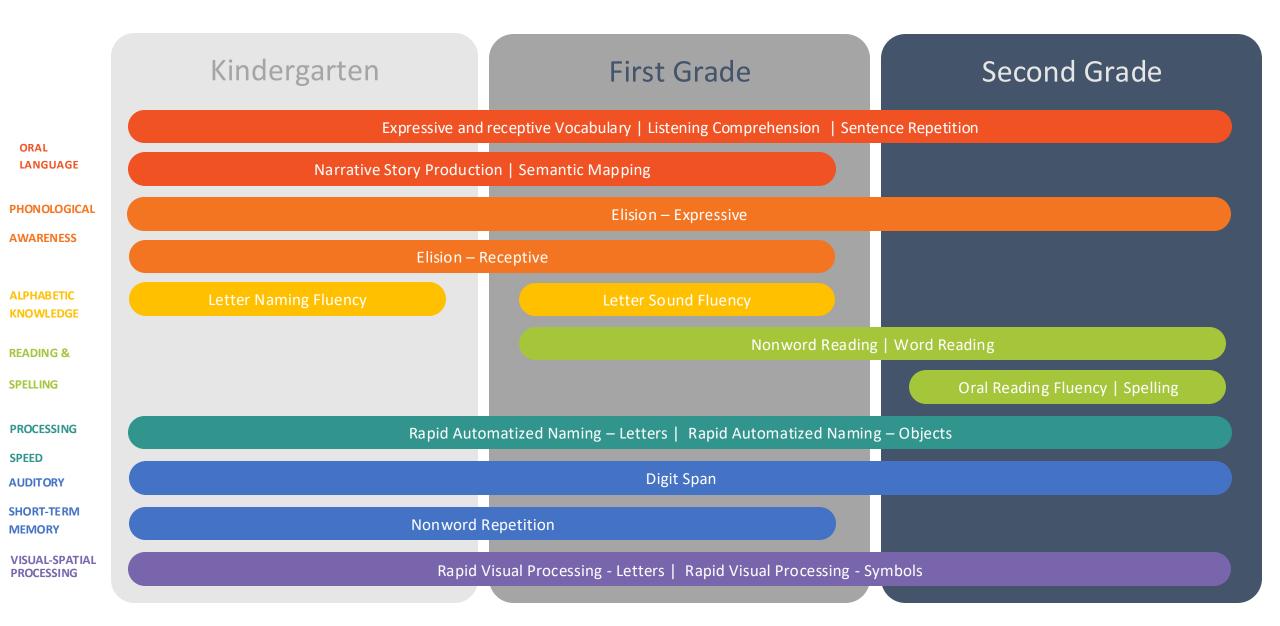
Embraces the many variations in dialect, culture, and region that enrich our state

comprehensive and data-driven

CA stateendorsed and cost-free Funded by the state of CA and completely free for all CA public schools

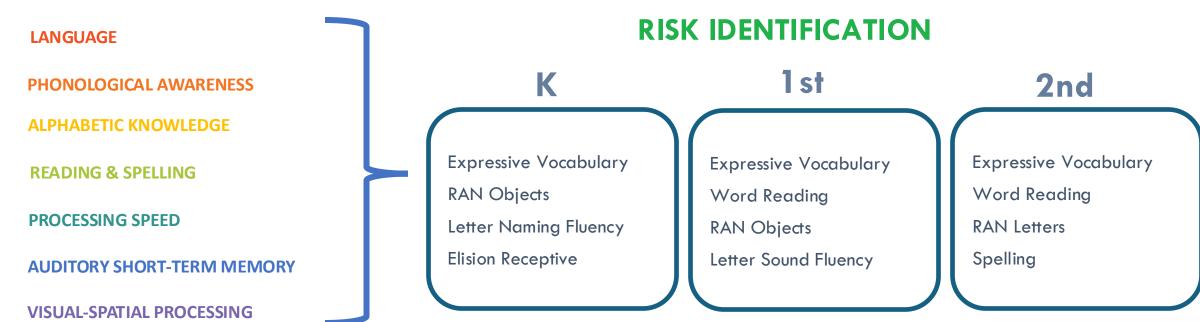


Five Years of Intense Research in English + Spanish



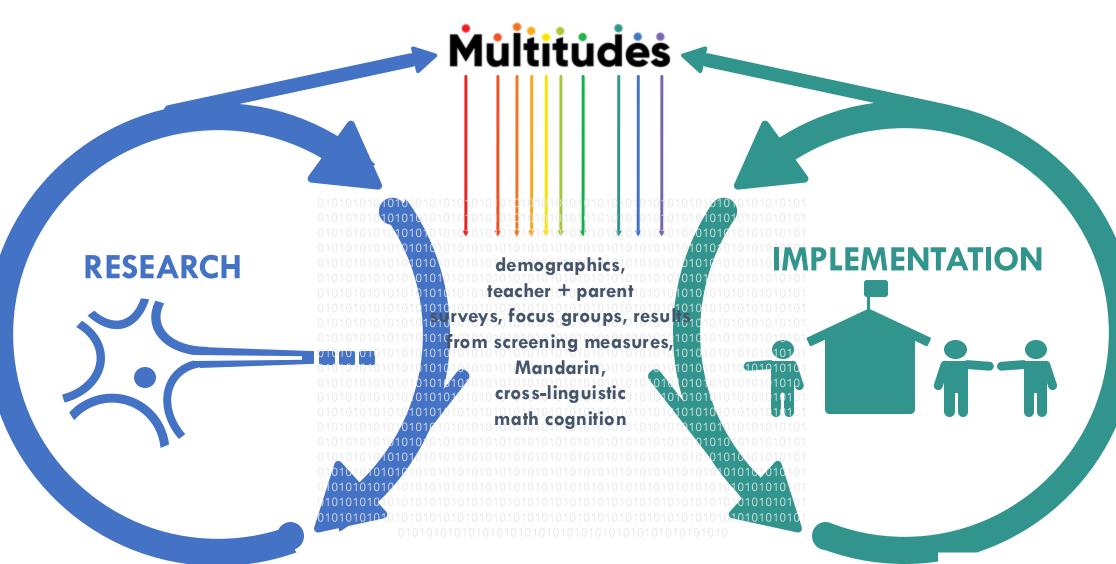
Universal screener tasks

- ✓ **Informative** for reading development in English + Spanish
- Accurate for both English-only and multilingual learners (allows translanguaging)
- ✓ Include predictors of reading difficulties and dyslexia
- Minimal administration time
- ✓ Reliable one-on-one assessment for young learners





Iterative Process





THANK YOU!





Our multidisciplinary team translates the latest neuroscience discoveries into practice to support transformational change in literacy outcomes, educational equity, and brain health.



































QUESTIONS



SPEAKERS



Tami Wilson
SCOE Director of Development and Training
Reading Difficulties Risk Screener Selection Panel Member













California Education Code Section 53008 (SB114) K-2 Screening for Reading Difficulties, Including Risk of Dyslexia

Association of California County Boards of Education

June 16, 2025

Tami Wilson, Director twilson@scoe.net

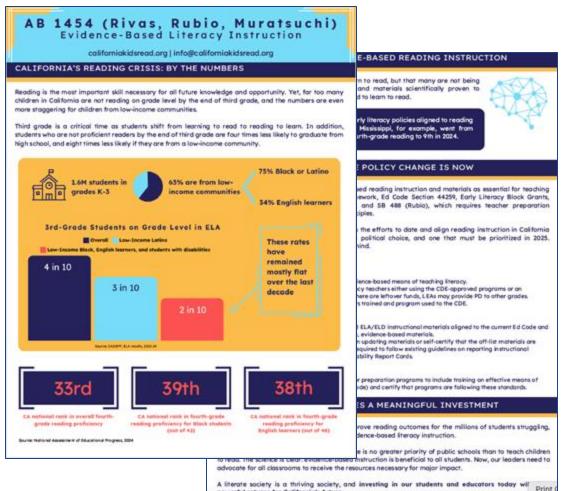
Reading/Literacy Focused Initiatives ~ Examples



- California Dyslexia Initiative
- SB 488 CTC Update Reading and Literacy Standards
- K-2 Screening for Reading Difficulties, Including Risk of Dyslexia
- Comprehensive Literacy State Development Grant
- Early Literacy Support Block Grant
- Literacy Coaches & Reading Specialists (LCRS & LCRSET)
- Literacy Roadmap
- Reading Instruction and Interventions Grant

Current Legislation



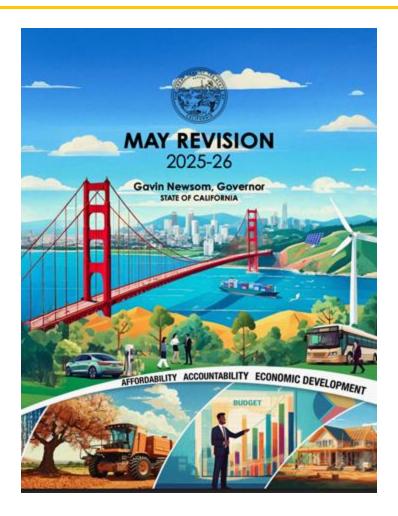


powerful returns for California's future.

AB1454 Leg Info

AB 1454 One-Pager.pdf

2025-26 May Revision Budget Summary V2



Rights. Equity. Access. Diversity. Success.

Universal Screening for Reading Difficulties



(e) "Commencing no later than the 2025–26 school year, and annually thereafter, a local educational agency serving pupils in kindergarten or grades 1 or 2 shall assess each pupil in kindergarten and grades 1 and 2 for risk of reading difficulties using the screening instrument or instruments adopted by the governing board or body of the local educational agency . . ."

California Code, EDC 53008.

SB114 was signed by Governor Newsom on July 10, 2023



K-2 Screening for Reading Difficulties, Including Risk of Dyslexia



"The Legislature finds and declares that screening pupils for risk of reading difficulties, including dyslexia, is one of many tools that educators can employ to gain information about how to support their pupils' learning. Screening should be considered **part of a school's comprehensive instructional strategy**, and should be used by educators like other types of formative and summative assessments: to inform individualized instruction, measure a pupil's progress, identify pupil learning needs, and enable parents and educators to discuss pupil needs in a more informed way."

California Code, EDC 53008. (a)(1)

State Funding



State Funding for Screening for Risk of Reading Difficulties

Section 117 of Chapter 38 of the Statutes of 2024 (2024 Education Budget Trailer Bill) appropriated \$25 million to LEAs to implement the requirement to screen kindergarten through second grade students for risk of reading difficulties beginning in the 2025-26 school year. What types of expenditures can LEAs use these funds for?

LEAs must expend these funds to train educators to administer student screenings pursuant to subdivision (c) of Section 117 of Chapter 38 of the Statutes of 2024

Retrieved 8.22.24 RDRSSP FAQ - Reading Difficulties

Risk Screener Selection Panel (CA Dept of Education)

Getting Familiar With 53008





Download and skim read

<u>California Code, EDC</u>

<u>53008.</u> Note - select "PDF" at the top and download.

Note: You may access an overview document available on the *California Dyslexia Initiative (CDI)* webpage at sb114 overview (1).pdf



Screening for Risk of Reading Difficulties, Including Dyslexia



- → On or before June 30, 2025, LEAs will adopt one or more screeners from the approved list.
- → Starting in 2025/2026 school year, LEAs will assess each pupil in grades K - 2 (unless parent/guardian opts out).
- → No later than 15 calendar days prior to screening, LEAs will notify parents/guardians and give option to opt out.
- → If a new K-2 pupil enrolls, LEAs must screen within 45 calendar days of enrollment.
- → Results of screening, including how to interpret results and next steps, within 45 days (53008 k)



California Literacy - Teaching & Learning (CA Dept of Education)



Screening Instruments and Information Overviews

Organization	Title	Grade Levels	Languages	Information Overviews
Amira Learning, with HMH as distribution partners	Amira	Kindergarten, Grade One, and Grade Two	English and Spanish	Amira Information Overview
Amplify Education	mCLASS with DIBELS Edition 8 and mCLASS Lectura	Kindergarten, Grade One, and Grade Two	English and Spanish	mClass with DIBELS Edition 8 and mClass Lectura Information Overview
University of California San Francisco (UCSF) Dyslexia Center	Multitudes	Kindergarten, Grade One, and Grade Two	English and Spanish	Multitudes Information Overview
Stanford University, Brain Development and Education Lab	Rapid Online Assessment of Reading (ROAR)	Grade One and Grade Two	English only	ROAR Information Overview

Screening Shall NOT Be . . .



These screening assessments shall not be considered an evaluation or diagnostic tool to establish eligibility for special education and related services or an evaluation to determine eligibility for a Section 504 plan.

Screening shall not be used for any high stakes purpose and not as a diagnosis of a disability.

Adapted <u>California Code</u>, <u>EDC 53008</u>. (g)(2)

Why Screen?



Screening is for all students to determine risk and who needs additional assessment and early intervention.



The Importance of Universal Screening





Universal Screening: K-2 Reading

This fact sheet focuses on the importance of universal screening in the primary grades to identify students who are in need of reading intervention.

What are the purposes for different types of assessment?

Assessment can have multiple purposes:

- Universal Screening—to determine a student's risk for reading difficulty and the need for intervention
- Intervention Planning—to make databased decisions for instruction informed by results of testing
- Progress Monitoring—to determine if progress is adequate or if more (or different) intervention is required
- Dragnovice Evaluation—to identify an individual's learning strengths and weaknesses and likely source of academic problems—and to determine if profile fits the definition of a learning disorder (diagnoss)

Universal Screening: K-2 Reading

Since research has shown that the rapid growth of the brain and its response to instruction in the primary years make the time from birth to age eight a critical period for literacy development (Nevilla & Wolfe, 2009), it is essential to identify the instructional needs of struggling students as soon as possible. It is imperative to "catch them before they full." (Torgesen, 1998). Thus, clusters need to understand.

- The basic principles of universal screening
- Findings from cognitive science that are the basis of reading and literacy

 Potential risk factors (i.e., "red flags") that indicate potential for common reading problems, including dyslexia

What is a screening?

Screening measures, by definition, are typically beird ausenuments of a particular skill or ability that is highly predictive of a later outcome. Screening measures are designed to quickly differentiate students into one of two groups: 1) those who do not. A screening measure needs to focus on specific skills that are highly convitated with broader measures of trading achievement resulting in a highly accurate sorting of subsents.

Universal screening tools have the following

- Quick and targeted assessments of discrete skills that indicate whether students are making adequate progress in reading achievement
- Alternate equivalent forms so they can be administered three to first times a year
- Standardized directions for administration and scoring
- Have established reliability and validity standards

Why should we screen?

Universal screening results should identify those students who are potentially at risk for reading failure, including those who may have developmental reading disabilities.

Dyslexia is a neurobiological disorder. Research has shown that beain plasticity decreases through childhood. It takes four times as long to intervine in fourth grade as it does in late kindengarten (NICHD) because of beain development and "Since research has shown that the rapid growth of the brain and its response to instruction in the primary years make the time from birth to age eight a critical period for literacy development (Nevills & Wolfe, 2009), it is essential to identify the instructional needs of struggling students as soon as possible.

It is imperative to 'catch them before they fail' (Torgesen, 1998)."



Instructional Response Is KEY



Provide supports and services appropriate to the specific challenges identified, which may include:

- Evidence-based literacy instruction focused on the pupil's specific needs.
- Progress monitoring.
- Early intervention in the regular general education program.
- One-on-one or small group tutoring.
- Further evaluation or diagnostic assessment. California Code, EDC 53008. (2)(1)

Proactive, Preventive Approach

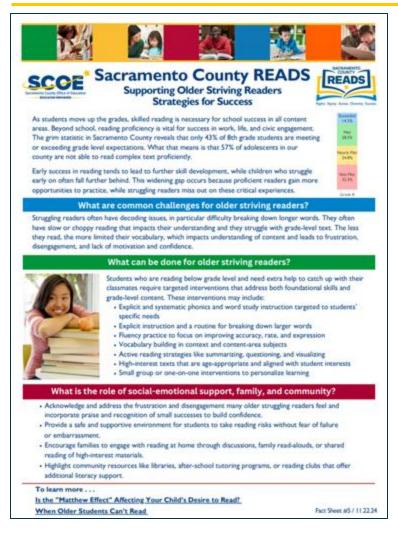


Universal screening for reading difficulties holds the promise of early intervention, allowing schools to identify at-risk students and implement targeted support before learning gaps widen. This proactive approach can prevent long-term academic, social, and emotional struggles.



Supporting Older Striving Readers





- Explicit and systematic phonics and word study instruction targeted to students' specific needs
- Explicit instruction and a routine for breaking down larger words
- Fluency practice to focus on improving accuracy, rate, and expression
- Vocabulary building in context and content-area subjects Active reading strategies like summarizing, questioning, and visualizing High-interest texts that are age-appropriate and aligned with student interests
- Small group or one-on-one interventions to personalize learning

To Learn More . . .



Screening for Reading Difficulties Including Risk of Dyslexia Padlet

SCOE | Sacramento County READS Literacy Initiative

National Center on Improving Literacy

SPEAKERS



Gina Plate
Senior Vice President for Education
Deveau Burr Group LLC



Literacy Budget Update

Governor, SSPI and other leaders in Compton last week to roll out the <u>Golden State Literacy</u> <u>Plan.</u>

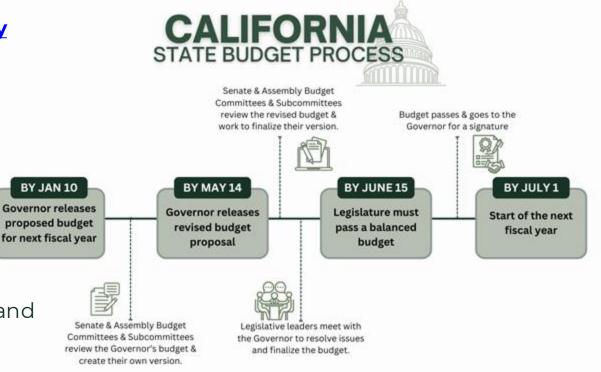
○ <u>CA State Literacy Plan</u>

Ongoing Commitments:

- Literacy Coaches
- Literacy Roadmap
- Learning Recovery Block Grant
- Expanded Learning (Before/After school and Summer.

New Proposals:

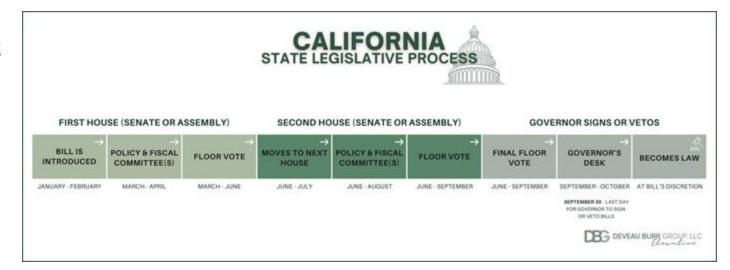
- Professional learning
- Screener across multiple languages



Literacy Policy Update

AB 1454 (Rivas, Muratsuchi and Rubio) Coauthors:

Addis, Bonta, Hoover and Patel. Pupil Literacy: administrative services credential program standards and professional development: instructional materials.



Key Dates:

- Bill Introduction Deadline: February
- Legislative Session: December August
- Final Deadline for Governor's Action: September 30



QUESTIONS



THANK YOU TO FOUNDING MEMBERS



















































NEXT STEPS

- Aug 4th Board of Directors Meeting at 6:00 PM
- Aug 25th Building Trustee Excellence Superintendent Salary at 6:00 PM
- Complete our Member Experience Survey
- Sign up for on demand 1:1 Coaching for new Trustees and Monthly Coaching sessions for all trustees



HERE IS OUR CONTACT INFORMATION

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