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aimswebPlus Assessment Matrix

aimswebPlus™ provides benchmarking and progress monitoring for Pre-K–12 foundational reading and math skills, and more. It also offers the capability to screen for dyslexia and some of the underlying factors that can contribute to social and behavioral issues. The flexibility of aimswebPlus enables your school to quickly identify students who are at-risk, then monitor and report student progress, and predict performance on grade-level expectations — all within one platform!

This guide provides an at-a-glance view of the measures and assessments in each of the aimswebPlus assessment domains: Early Literacy and Reading, Early Numeracy and Math, Spanish Early Literacy and Reading, Spanish Early Numeracy and Math, and Classic AIMSweb Measures. Also included are optional assessments for Dyslexia and Social/Behavioral skills.

The following is a key for the Assessment Matrix.

Measure	Grade levels & periods	Progress monitoring and SLA	Time	Administration method		
The measure or assessment name and acronym	The grade/age levels and screening periods (fall, winter, spring, summer) when benchmarking measures are available, and the grade levels that monitoring measures are available throughout the year	The measure's availability for progress monitoring and survey level assessment (SLA)	The average completion time for untimed measures or the time allowed for timed measures	*Digital record forms (DRF) measure:* The measure is administered to students in one-to-one test sessions. Students view printed/digital materials and provide an answer. Examiners mark students' responses on the DRF in their aimswebPlus account.	*TestNav measure:* The measure is delivered to students through TestNav, an online test delivery platform. Each student has unique login credentials (username and password) to access assigned measures in the Reading or Math domains. These measures may be group administered.	*Paper/pencil measure:* The students write their responses on a printed test form. Examiners hand score the responses and enter the results into the aimswebPlus system. These measures may be group administered.

Early Literacy & Reading *matrix continues on page 3*

F = Fall W = Winter S = Spring SU = Summer

Measure	Pre-K benchmark screening				Kindergarten benchmark screening				Grade 1 benchmark screening				Grades 2–12 benchmark screening				Progress monitoring & SLA	Time	Admin. method
	F	W	S	SU	F	W	S	SU	F	W	S	SU	F	W	S	SU			
Print Concepts (PC)	✓a	✓a	✓a	✓a	✓	✓	✓	✓										~2–3 min	
Initial Sounds (IS)	✓a	✓a	✓a	✓a	✓	✓	✓	✓									✓c	~2–3 min	
Auditory Vocabulary (AV)	✓a	✓a	✓a	✓a	✓	✓	✓		✓	✓	✓							~2–4 min	
Letter Naming Fluency (LNF)		✓	✓	✓	✓a	✓a	✓a	✓a	✓	✓	✓						✓c	1 min	
Letter Word Sounds Fluency (LWSF)			✓	✓	✓a	✓a	✓a	✓a	✓								✓c	1 min	
Phoneme Segmentation (PS)					✓	✓	✓	✓	✓	✓	✓						✓c	~2–3 min	
Listening Comprehension (LC)					✓	✓	✓		✓	✓	✓		✓h	✓h	✓h			~10–15 min	
Spelling (SP)					✓	✓	✓		✓	✓	✓		✓i	✓i	✓i			~5–7 min	
Nonsense Word Fluency (NWF)						✓	✓	✓	✓a	✓a	✓a	✓a					✓d	1 min	
Word Reading Fluency (WRF)							✓	✓	✓a	✓a	✓a	✓a					✓d	1 min	

a - required for composite
c - uses kindergarten progress monitoring forms
d - uses Grade 1 progress monitoring forms
e - Grade 9–12 use Grade 8 forms
f - required for composite in Grades 2–3, only required for Grades 4–12 if SRF is invalid
g - required for composite in Grades 4–12 unless invalid
h - available Kindergarten–Grade 2
i - Grades 4–12 forms only available as an add-on purchase

Early Literacy & Reading *(continued)*

F = Fall W = Winter S = Spring SU = Summer

Measure	Pre-K benchmark screening				Kindergarten benchmark screening				Grade 1 benchmark screening				Grades 2–12 benchmark screening				Progress monitoring & SLA	Time	Admin. method
	F	W	S	SU	F	W	S	SU	F	W	S	SU	F	W	S	SU			
Oral Reading Fluency (ORF)									✓a	✓a	✓a	✓a	✓ef	✓ef	✓ef	✓ef	✓e	~1–2 min	
Silent Reading Fluency (SRF) (Grades 4–12)													✓eg	✓eg	✓eg	✓eg	✓e	~5–15 min	
Vocabulary (VO)													✓ae	✓ae	✓ae	✓ae		~3–15 min	
Reading Comprehension (RC)													✓a	✓a	✓a	✓a		~15–45 min	
Reading Comprehension–Progress Monitoring (RC–PM) (Grades 2–5)																	✓	5 min	

a - required for composite
c - uses kindergarten progress monitoring forms
d - uses Grade 1 progress monitoring forms
e - Grade 9–12 use Grade 8 forms
f - required for composite in Grades 2–3, only required for Grades 4–12 if SRF is invalid
g - required for composite in Grades 4–12 unless invalid
h - available Kindergarten–Grade 2
i - Grades 4–12 forms only available as an add-on purchase

Early Numeracy & Math

F = Fall W = Winter S = Spring SU = Summer

Measure	Pre-K benchmark screening				Kindergarten benchmark screening				Grade 1 benchmark screening				Grades 2–12 benchmark screening				Progress monitoring & SLA	Time	Admin. method
	F	W	S	SU	F	W	S	SU	F	W	S	SU	F	W	S	SU			
Quantity Total Fluency (QTF)	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a									✓c	1 min	
Concepts & Applications (CA)	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a	✓a						~7–12 min	
Number Naming Fluency (NNF)		✓	✓	✓	✓a	✓a	✓a	✓a	✓	✓	✓						✓c	~1 min	
Quantity Difference Fluency (QDF)					✓	✓	✓	✓									✓c	1 min	
Number Comparison Fluency–Pairs (NCF–P)									✓a	✓a	✓a	✓a					✓d	1 min	
Math Facts Fluency–1 Digit (MFF–1D)									✓a	✓a	✓a	✓a					✓d	1 min	
Math Facts Fluency–Tens (MFF–T)									✓	✓	✓	✓					✓d	1 min	
Number Comparison Fluency–Triads (NCF–T)													✓aef	✓aef	✓aef	✓aef	✓e	3 min	
Mental Computation Fluency (MCF)													✓aef	✓aef	✓aef	✓aef	✓e	4 min	
Concepts & Applications (CA)													✓a	✓a	✓a	✓a		~12–35 min	

a - required for composite
c - uses kindergarten progress monitoring forms
d - uses Grade 1 progress monitoring forms
e - Grades 9–12 forms use Grade 8 forms and norms
f - component of Number Sense Fluency (NSF)

Spanish Early Literacy & Reading

F = Fall W = Winter S = Spring SU = Summer

Measure	Kindergarten benchmark screening				Grade 1 benchmark screening				Grades 2–12 benchmark screening				Progress monitoring & SLA	Time	Admin. method
	F	W	S	SU	F	W	S	SU	F	W	S	SU			
Spanish Letter Naming Fluency (SLNF)	✓a	✓a	✓a		✓								✓c	1 min	
Spanish Letter Sounds Fluency (SLSF)	✓a	✓a	✓a		✓								✓c	1 min	
Spanish Syllable Segmentation (SSS)	✓b	✓b	✓b		✓b	✓b	✓b						✓	~3 min	
Spanish Listening Comprehension (SLC)	✓bd	✓bd	✓bd		✓bd	✓bd	✓bd		✓bd	✓bd	✓bd			~10–15 min	
Classic Spanish Spelling (CSSP)		✓	✓		✓	✓	✓							2 min	
Spanish Syllable Reading Fluency (SSRF)		✓	✓		✓	✓	✓						✓	1 min	
Spanish Oral Reading Fluency (SORF)					✓a	✓a	✓a		✓ae	✓ae	✓ae		✓f	~1–2 min	

a - required for composite
b - added without national norms
c - uses kindergarten progress monitoring forms
d - available kindergarten–Grade 2
e - available Grades 1–8
f - available Grades 1–5

Spanish Early Numeracy & Math

F = Fall W = Winter S = Spring SU = Summer

Measure	Kindergarten benchmark screening				Grade 1 benchmark screening				Grades 2–8 benchmark screening				Progress monitoring & SLA	Time	Admin. method
	F	W	S	SU	F	W	S	SU	F	W	S	SU			
Spanish Quantity Total Fluency (SQTF)	✓a	✓a	✓a										✓c	1 min	
Spanish Concepts & Applications (SCA)	✓a	✓a	✓a		✓a	✓a	✓a							~7–12 min	
Spanish Number Naming Fluency (SNNF)	✓a	✓a	✓a		✓b	✓b	✓b						✓c	1 min	
Spanish Quantity Difference Fluency (SQDF)	✓	✓	✓										✓c	1 min	
Spanish Number Comparison Fluency– Pairs (SNCF–P)					✓a	✓a	✓a						✓d	1 min	
Spanish Math Facts Fluency–1 Digit (SMFF–1D)					✓a	✓a	✓a						✓d	1 min	
Spanish Math Facts Fluency–Tens (SMFF–T)					✓	✓	✓						✓d	1 min	
Spanish Number Comparison Fluency– Triads (SNCF–T)									✓ae	✓ae	✓ae		✓	3 min	
Spanish Mental Computation Fluency (SMCF)									✓ae	✓ae	✓ae		✓	4 min	
Spanish Concepts & Applications (SCA)									✓a	✓a	✓a			~15–25 min	

a - required for composite
b - added without national norms
c - uses kindergarten progress monitoring forms
d - uses Grade 1 progress monitoring forms
e - component of Spanish Number Sense Fluency (SNSF)

Classic AIMSweb® Measures

F = Fall W = Winter S = Spring SU = Summer

Measure	Grades 1–12 benchmark screening				Progress monitoring & SLA	Time	Admin. method
	F	W	S	SU			
Reading Maze (Maze)	✓e	✓e	✓e		✓e	3 min	
Written Expression (WE)	✓e	✓e	✓e		✓e	4 min	
Math Concepts and Applications (Starts at Grade 2) (M–CAP)	✓e	✓e	✓e		✓e	Grades 2–6 forms: 8 min Grades 7–12 forms: 10 min	

b - added without national norms
e - Grades 9–12 use Grade 8 forms and norms

Pilot Measures

F = Fall W = Winter S = Spring SU = Summer

Measure	Grades 1–12 benchmark screening				Progress monitoring & SLA	Time	Admin. method
	F	W	S	SU			
Reading Comprehension Fluency (RCF)	✓b	✓b	✓b			~5–20 min	
Math Computation (M–COMP)	✓be	✓be	✓be		✓be	8 min	
Math Facts - Addition (MF–A)	✓b	✓b	✓b		✓b	1 min	
Math Facts - Subtraction (MF–S)	✓b	✓b	✓b		✓b	1 min	
Math Facts - Addition & Subtraction (MF–AS)	✓b	✓b	✓b		✓b	1 min	
Math Facts - Multiplication (MF–M)	✓bk	✓bk	✓bk		✓bk	1 min	
Math Facts - Division (MF–D)	✓bk	✓bk	✓bk		✓bk	1 min	
Math Facts - Multiplication & Division (MF–MD)	✓bk	✓bk	✓bk		✓bk	1 min	
Math Facts - All Facts (MF–ALL)	✓bk	✓bk	✓bk		✓bk	1 min	

b - added without national norms
e - Grades 9–12 use Grade 8 forms
k - starts at Grade 3

Add-On Measures

F = Fall W = Winter S = Spring SU = Summer

Measure	Grade/age levels & timing				Assessment type	Time	Admin. method
	F	W	S	SU			
Literacy							
Spelling Grades 4–12	Up to once per period; Grades 4–12 only				Performance-based screening	~ 15 min	
Shaywitz DyslexiaScreen™	Up to once per period; Grades K–3 only				Teacher rating form screener	< 5 min	
Dyslexia Probability Calculator	Once per year; Grades K–3 only				Family history and Shaywitz DyslexiaScreen results	N/A	
RAN Objects	Up to once per period; Grades Pre-K–3 but specifically for ages 3:6–11:5				Performance-based screening	~ 5 min	
RAN Colors and Shapes	Up to once per period; Grades K–12, ages 5–21				Performance-based screening	< 10 min	
Behavior and Social Wellness							
BASC™-3 BESS Student Form	Up to once per period; Grades 3–12				Student rating form screener	< 5 min	
BASC-3 BESS Teacher Form	Up to once per period; Grades Pre-K–12				Teacher rating form screener	< 5 min	

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