LEARNING DISABILITY EVALUATION SCALE Fourth Edition (LDES-4)

Stephen B. McCarney, Ed.D. & Samm N. House

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The Learning Disability Evaluation Scale - Fourth Edition (LDES-4) is a norms update of the Learning Disability Evaluation Scale - Renormed Second Edition (LDES-R2) (McCarney & Arthaud, 2007). The LDES-4 assesses the most commonly identified characteristics of learning disabled students. It is based on the federal definition of learning disabilities (IDEIA, 2004) and the subscales (Listening, Thinking, Speaking, Reading, Writing, Spelling, and Mathematical Calculations) correspond to seven areas of disability identified in the federal definition.

The LDES-4 was standardized on a total of 1,802 students, ages 8 through 16 years and grades 2-11. Demographic characteristics of the standardization population approximated the national percentages for gender, residence, race, geographic area, and occupation of parents.

Internal consistency of the **LDES-4** fell at or above .82 for each subscale. Test-retest reliability yielded correlation coefficients ranging from .88 through .97, indicating substantial reliability for each of the 7 subscales. Coefficients for inter-rater reliability for the subscales ranged from .94 to 1.00 for all age levels. Content validity was established through the initial development process. The **LDES-4** was compared to the *Learning Disabilities Diagnostic Inventory* (LDDI) (Hammill & Bryant, 1998) as a measure of concurrent validity. All subscales of the **LDES-4** correlated significantly with the LDDI subscales to which they were compared. The construct validity of the scale supports strong diagnostic validity.

The **LDES-4** uses frequency-referenced quantifiers. Each item on the **LDES-4** is rated on a four-point scale (NOT DEVELOPMENTALLY APPROPRIATE FOR AGE, RARELY OR NEVER, INCONSISTENTLY, CONSISTENTLY). Following completion of the ratings, five types of age and grade scores may be obtained: frequency rating for each item (reflecting the degree of difficulty in performing a behavior), subscale raw score (the sum of the frequency ratings for each subscale), subscale standard score (a consistent basis for comparing students), a learning quotient, and percentile. The subscale standard scores are plotted on the graph at the bottom of the Profile Sheet to provide a visual representation of skills.

The **LDES-4** takes approximately 20 minutes to complete and can be completed by anyone familiar with the student: the classroom teacher, clinical personnel, or other school personnel. The **LDES-4** complete kit consists of *Pre-Referral Learning Problem Checklists, Intervention Strategies Documentation Forms*, technical manual, rating forms, the *Learning Disability Intervention Manual*, and the *Parent's Guide to Learning Disabilities*.

The *Learning Disability Intervention Manual* (LDIM) includes goals, objectives, and intervention strategies for the behaviors on the scale and was designed for the convenient development of a student's IEP, as well as classroom intervention. The *Learning Disability Intervention Manual* used in conjunction with the LDES-4 provides an assessment and intervention program for learning disabled children and youth. The *Parent's Guide to Learning Disabilities* (PGLD) contains interventions for parents to implement in the home to help their learning disabled child be more successful.



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PRE-REFERRAL LEARNING PROBLEM CHECKLIST

Da	te:				
Name of student:	Birth	date:	Age:	Gende	r:
School:				Grade	e:
City:	State: 0	bserved by: _			
Observer's position:		Student know	to observer: _		
Length of time each day with student:(ho	ours) (minutes)	-		(from)	(to)
TO OBSERVER: Check each behavior yo	ou have observed the	e student dem	ionstrate durin	g the past m	onth.
LISTENING				F	
1. Does not hear all of what is said (e. misses word endings, misses key w such as "do not," etc.)	.g., /ords] 8. Failst	blem	sk, does i	o- or nember not
2. Does not direct attention or fails to maintain attention to important so the immediate environment (e.g., t directions, public address system	unds in teach Learn	ample ample	rember seq routine, days o r, etc.)	poem or song Juences (e.g. f the week, r	g, etc.) , events in nonths of
 LISTENING 1. Does not hear all of what is said (e.misses word endings, misses key we such as "do not," etc.) 2. Does not direct attention or fails to maintain attention to important so the immediate environment (e.g., the directions, public address system) 3. Has difficulty differentiate heard (e.g., does not heard (e.g.	hecklist	10. Does no of spati near-fa	ot demonstrate ial relationship r, over-under, strates difficult	s (e.g., above etc.)	e-below,
4. Is unsug	ng	' (i.e., do receive	es not rememb d visually)	per informati	on
directions		d memor	strates difficult y (i.e., does not ation received a	t remember	ory
5. Needs oral questions and directions frequently repeated (e.g., student s "I don't understand;" needs consta reminders, etc.)] 13. Does no of direc	ot demonstrate tionality (e.g., ard, east-west,	e an understa left-right, fo	
6. Attends more successfully when closed source of sound (e.g., when seated the teacher	ose to the close to		ficulty concent gned task, follo		
7. Requires eye contact in order to lis successfully (e.g., one-to-one situa			erates - does th .g., has difficul s, etc.)		
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Intervention Strategies Documentation Form

Date:		
Student name:	Birthdate:	Age:
School: Parents:		
Team members:		
I. <u>Student History</u>		
A. Are the parents aware of your concern?		
B. Has the student repeated a grade? If so, when?		
C. Date and results of any previous individual testing?		
D. Date and results of last hearing screening:		
E. Date and results of last vision screening:		7
II. <u>Concerns and Interventions</u>		
Learning or Behavior Concern:	egles	
II. <u>Concerns and Interventions</u> Learning or Behavior Concern: Interventions Implemented: Intervention Strate Intervention Str	Form	Decision

Learning or Behavior Concern:

Interventions Implemented:	Intervention Date	S/U	Decision

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SCHOOL VERSION RATING FORM

Stephen B. McCarney

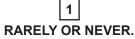
RATING GUIDELINES

- The student should be rated by school personnel who interact directly with the student in the school environment.
- The rater should rely on his/her observation of the student's skills as they occur naturally in the school environment. If the rater has no knowledge of the student's ability to perform a particular skill on the scale, it is recommended that the rater consult another person in the school environment to provide information for that item.
- Do not leave any boxes blank.
- At the secondary level, or in departmentalized elementary programs, educational personnel may rate only those areas (subscales) which they have had the opportunity to observe.
- It is not necessary to complete the rating for a student in one day. Several days may elapse before the rater is able to complete the scale.
- It is recommended that each quantifier is read with the item, before rating the item. Using item 25 as an example, the rater would first read, "Not developmentally appropriate for age to have difficulty imitating speech sounds," then "Rarely or never has difficulty imitating speech sounds," "Inconsistently has difficulty imitating speech sounds," and finally "Consistently has difficulty imitating speech sounds."

 If the behavior or skill is developmentally beyond what is expected for the student's age, the rating should be

NOT DEVELOPMENTALLY APPROPRIATE FOR AGE.

 If the student does not display or rarely displays the behavior or skill indicated on the scale, the rating should be



• If the student often, but not always, displays the behavior or skill on the scale, the rating should be



• If the student consistently displays the behavior or skill on the scale, the rating should be



IMPORTANT *** PLEASE NOTE: *** IMPORTANT

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					-		
APPROPI	RIATE FOR A	GE NEVER		INCONSISTENTLY	CONSISTENTLY		
		LISTENING	1 11.	Demonstrates difficulty with vis	ual memory		
1 1.	Does no word en not," etc	t hear all of what is said (e.g., misses dings, misses key words such as "do	(i.e., does not remember information re visually)				
	not, ott	,	<u>1</u> 12.	Demonstrates difficulty with aud (i.e., does not remember information)			
1 2.		t direct attention or fails to maintain 1 to important sounds in the imme-		auditorily)			
	diate en	vironment (e.g., teacher directions, ddress system, etc.)	<u>1</u> 13.	Does not demonstrate an under directionality (e.g., left-right, for east-west, etc.)			
1 3.	heard (e	culty differentiating speech sounds .g., does not hear the difference /ch/ and /sh/ sounds, similar vowel	2 14.	Has difficulty concentrating (e.g assigned task, following conv			
		similar consonant sounds, rhyming	1 15.		ing over and g activities,		
				rouget	J		
<u> </u>		ccessful in activities requiring listening mes, following oral directions, etc.)			on (e.g., does not terials, etc.)		
2 5.	ly repea	ral questions and directions free ted (e.g., student says, "I down the says of the says of source superior source sourc	For	nionstrate logical thir clsions, solving problems nces, etc.)	nking (e.g., mak-		
2 6.	Attends source o the teac		1 18.	Has difficulty retrieving, recallin jects, persons, places, etc. (i.e., of them at all or is slow to respo	does not think		
<u> </u>	Require cessfull	s eye	<u>1</u> 19.	Demonstrates visual perception visual closure, visual memory, v ground discrimination, etc.)	problems (e.g., risual figure-		
9	Raw Sco		<u>1</u> 20.	Has difficulty classifying (e.g., d nize similarities, differences, etc			
		THINKING	<u>1</u> 21.	Fails to generalize knowledge fr to another (e.g., identifies the w a flashcard, but fails to identify	ord "house" on it in a sentence;		
1 8.	skills (e three-st materia	demonstrate short-term memory .g., does not remember two- or ep directions, does not remember is needed for a task, does not memo-		is able to count by fives, but is r mine the value of a group of nic fives; knows that $6 \times 8 = 48$, but stand that $48 \div 6 = 8$; etc.)	kels counting by		
	rize wor	ds to a poem or song, etc.)	<u>1</u> 22.	Demonstrates confusion (e.g., w wrong classroom or area)	alks into the		
19.		remember sequences (e.g., events in outine, days of the week, months of ; etc.)	<u>2</u> 23.	Remembers information one tim	ne but not the		
1 10		t demonstrate an understanding	<u>1</u> 24.	Requires slow, sequential, subs down presentation of concepts	tantially broken-		
		al relationships (e.g., above-below, , over-under, etc.)	_21	Raw Score			

SPEAKING

		SPEAKING	Image: The second secon	42	Reads words correctly in one context but not
1	25.	Has difficulty imitating speech sounds		42.	in another (e.g., can read a word printed on a flashcard but cannot read the same word in a sentence)
1	26.	Omits, adds, substitutes, or rearranges sounds or words when speaking	3	43.	Does not read independently (i.e., does not choose reading as an independent activity,
1	27.	Distorts or mispronounces words or sounds when speaking (not attributed to dialect or accent)	1	44.	avoids reading, etc.) Does not discriminate between similar letters and words (e.g., "m" and "n," "cat" and "cap,"
2	28.	Does not use appropriate subject-verb agree- ment when speaking (e.g., says, "It don't matter to me;" instead of "It doesn't matter to me.")	1		etc.) Does not know all the letters of the alphabet
1	29.	Does not carry on conversations with peers and adults	3		Understands what is read to him/her but not what he/she reads silently Fails to finish assignments because of read-
1	30.	Has a limited speaking vocabulary			ing difficulties (i.e., reads too slowly to finish on time)
1	31.	Fails to use verb tenses correctly when speaking (e.g., past, present, future)	_2	2	Raw Score
1	32.	Speaks dysfluently (e.g., runs words and sentences together, speaks too fast or slow, pauses at incorrect places, etc.)	1	48	entences, and close proximity
1	33.	Does not complete statements or thoughts when speaking (e.g., speaks in incomplete sentences, fails to think of correct words express ideas, etc.)	5-4	10	om a textbook)
_1	<u>0</u>	when speaking (e.g., speaks in incomplete sentences, fails to think of correct words express ideas, etc.) Raw Score REA REA	₫	50.	Fails to use capitalization correctly when writing
1	34.	Fails to de (e.g., phonics, co	1		Uses inappropriate spacing between words or sentences when writing
2	35.	Fails to recog on grade level	1	52.	Reverses letters and numbers when writing
2	36.	Fails to correctly answer comprehension questions from reading activities	1	53.	Fails to write within a given space (e.g., writes off of the page, does not write on a line, etc.)
2	37.	Loses place when reading (e.g., leaves out words, lines, or sentences when reading)	2		Fails to punctuate correctly when writing Does not use appropriate subject-verb agree-
1	38.	Has difficulty with sound-symbol relation- ships (e.g., does not know that the letter "d" makes the /d/ sound)	2		Does not compose complete sentences or express complete thoughts when writing
1	39.	Has difficulty with phonics skills when read- ing (i.e., fails to sound out words correctly or blend sounds into words)	1	57.	Fails to correctly organize writing activities (e.g., does not sequence events, develop a paragraph, use correct word order, etc.)
1	40.	Omits, adds, substitutes, or reverses letters, words, or sounds when reading	1	58.	Omits, adds, or substitutes words when writing
1	41.	Fails to demonstrate word comprehension (i.e., does not know the meaning of words read)	1	59.	Fails to form letters correctly when printing or writing (e.g., a's do not look like a's, b's do not look like b's, does not connect letters, etc.)

<u>ک</u> 60.	Fails to use verb tenses correctly when writing (e.g., past, present, future)	1	73.	Works math problems from left to right instead of right to left
	Uses inappropriate letter size when writing (i.e., too large or too small)	1	74.	Fails to follow necessary steps in math prob- lems (e.g., does steps in the wrong order, omits a step, etc.)
18	Raw Score			
_	SPELLING	1	75.	Fails to correctly solve math problems involv- ing fractions or decimals (e.g., understanding parts of the whole, recognizing fractional values, performing operations, etc.)
<u>1</u> 62.	Fails to use spelling rules (e.g., "i before e except after c," rules for changing words to plural form, etc.)	1	76.	Fails to demonstrate knowledge of place value
<u>1</u> 63.	Has difficulty with phonetic approaches to spelling (i.e., does not spell words the way	1	77.	Confuses operational signs when working math problems (e.g., +, -, \div , ×)
1 64.	they sound) Omits, substitutes, adds, or rearranges letters	1	78.	Has difficulty understanding abstract concepts (e.g., dimensionality, size, space, shape, etc.)
<u> </u>	or sound units when spelling words Has difficulty spelling words that do not fol-	1	79.	Fails to correctly solve poblems involving money (e.g., coin reason on and value, count- ing money, make
1 66.	Does not use word endings correctly when spelling or omits them (e.g., -ed, -ing, -ly, -er,	1	80.	Fail ns using mea- weight, etc.)
	etc.)		ŧ.	ove math problems requiring
	Real Provide Provi	5		
1 67.	etc.) Spells words correctly in one context in another (e.g., spells the word quiz but not in a sentence, a word correctly from dise correctly in a sentence.	F	or	does not understand the concept of time (e.g., does not know how to tell time, does not use a calendar, does not work problems involving time, etc.)
	word correctly from diagonal and the second	1		A set of the concept of time (e.g., does not know how to tell time, does not use a calendar, does not work problems involving time, etc.) Fails to correctly solve math problems requiring addition
	Requires c to learn spe	1	83.	Fails to correctly solve math problems requiring
	Requires c ger to learn the students)	1 1 1	83. 84.	Fails to correctly solve math problems requiring addition Fails to correctly solve math problems requiring
1 68. _7_	Requires c to learn spe ger to learn to learn to learn to students) Raw Score		83. 84. 85.	Fails to correctly solve math problems requiring additionFails to correctly solve math problems requiring subtractionFails to correctly solve math problems requiring multiplication
1 68. 7 1 69.	Requires of to learn spe ger to learn spe ger to learn score Raw Score MATHEMATICAL CALCULATIONS		83. 84. 85.	Fails to correctly solve math problems requiring additionFails to correctly solve math problems requiring subtractionFails to correctly solve math problems requiring
1 68. 7 1 69. 1 70.	quiz but not in a sentence. and word correctly from diserver correctly in a sentence. and the sentence of the s		83. 84. 85. 86.	 Fails to correctly solve math problems requiring addition Fails to correctly solve math problems requiring subtraction Fails to correctly solve math problems requiring multiplication Does not understand the concept of skip counting (e.g., may be able to count by fives, but does not know that five is being added to each con-
1 68. 7 1 69. 1 70. 1 71.	quiz but not in a sentence. and word correctly from diserver correctly in a sentence. and the sentence of the s	1 1 1 1 1 2	 83. 84. 85. 86. 87. 88. 	 Fails to correctly solve math problems requiring addition Fails to correctly solve math problems requiring subtraction Fails to correctly solve math problems requiring multiplication Does not understand the concept of skip counting (e.g., may be able to count by fives, but does not know that five is being added to each consecutive number)

SCHOOL VERSION RATING FORM

Stephen B. McCarney

PROFILE SHEET

Name of student:	And	rew Thon	Gender: <u>M</u>					
School:	Míð	vale Elem						
Class:	all s	ubjects		Grade: <u>4</u>				
City:	Míð	lvale		State: <u>PA</u>				
Date of ra	ting:	<u>2017</u> (year)	<u>11</u> (month)	<u> </u>				
Date of bi	rth:	<u>2008</u> (year)	5 (month)	<u> </u>				
Age at rat	ing: .	9 (years)	5 (months)	<u>21</u> (days)				
Rated by (observer's name): <u>M. Jackson</u>								
Dates during which observation of student occurred: From $9/17$ To $11/17$								

Amount of time spent with student: Per day $\underline{6}$ Per week $\underline{30}$

SUMMARY OF SCORES									
		Stan Sco		Standard Score SEM					
Subscales	Raw Score	Age (APPX A)	Grade (APPX D)	Age (APPX C)	Grade (APPX F)				
Listening	9	11	12	2.58	2.88				
Thinking	21	11	12	1.86	2.00				
Speaking	10	12	12	2.66	2.92				
Reading	22	9	9	2.00	2.14				
Writing	18	11	11	2.18	2.24				
Spelling	7	13	13	2.48	2.70				
Mathematical Calculations	20	13	13	1.74	1.80				

TOTAL SCORE									
Sum of Subscale SS		Learning Quotient		Percentile		Learning Quotient SEM		Confidence Interval (Chapter 2)	
Age	Grade	Age (APPX B)	Grade (APPX E)	Age (APPX B)	Grade (APPX E)	Age (APPX C)	Grade (APPX F)	Age	Grade
80	82	105	106	63	67	4.54	4.84	95 %	95 %

			5	SUBSCALE	S						
Standard Scores	Listening	Thinking	Speaking	Reading	Writing	Spelling	Mathematical Calculations	Quotients	Quotient	Percentiles	Percentile Rank
20 19 18 17 16 15 14 13 12	adex ageX	x x						150 145 140 135 130 125 120 115 110 105 100 95 90 85 80 75 70 65 60 55 50	, , , , , , , , , , , , , , , , , , ,	≥99 95 90 85 80 75 70 65	× građe X age

Important: Before using this scale, read the section titled Rating Guidelines on page one.

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III. Goals, Objectives, and Interventions

Does not hear all of what is said

Goals:

- 1. The student will improve listening skills in academic settings.
- 2. The student will improve listening skills in nonacademic settings.

Objectives:

- 1. The student will maintain eye contact when information is being communicated _____% of the time.
- 2. The student will listen quietly when verbal directions are given % of the time.
- 3. The student will repeat what is said with _____% accuracy.
- 4. The student will respond appropriately to what is said, with reminders, _____% of the time.
- 5. The student will independently respond appropriately to what is said _____% of the time.

Interventions:

1. Play games that teach listening skills.

Learning Disability Intervention Manual **2.** Deliver directives in a supportive rather than a threatening manner (e.g., "Please listen to the directions," rather than, "You had bette listen!").

3. Talk to the studen an assembly or p student of

low

expla

under

destion any directions, instructions he/she does not

5. Deliver all directions, questions, explanations, and instructions in a clear, concise manner and at an appropriate rate for the student.

6. Demonstrate the appropriate way to listen to and follow directions.

7. Encourage parents to take advantage of dinner and other family-gathering times to converse and practice maintaining attention.

8. Remove the student from the situation (e.g., at an assembly, when a guest speaker is present, etc.) until he/she can demonstrate selfcontrol and follow directions.

9. Instruct the a notepad ge him/her to with him/he her mainrave the student's undiwhen you are talking to him/her.

se to the student, maintain eye contact, have the student repeat the information.

11. Do not reinforce the student's inappropriate behavior by laughing when he/she has not listened to directions.

12. Determine if the student heard a direction by having the student repeat it.

13. Teach and practice information-gathering skills (e.g., listen carefully, write down important points, ask for clarification, wait until all information is presented before beginning a task, etc.).

14. Reduce the emphasis on competition in the classroom. Competition may cause the student to begin an activity before hearing all of what is said.

15. Establish rules for listening to and following directions (e.g., listen when someone is giving directions, ask questions about directions if they are not understood, etc.). These rules should be consistent and followed by everyone in the classroom. Talk about the rules often.

1

II. Behaviors & Solutions

Has to have several reminders 1

1. Establish rules for following directions (e.g., listen carefully to the directions; ask questions if you do not understand; follow the directions without having to be reminded; etc.). These rules should be consistent and followed by everyone in the home. Talk about the rules often.

2. Reward your child for not requiring reminders to do what he/she is told to do. Possible rewards include verbal praise (e.g., "Thank you for making your bed without having to be reminded."), a kiss on the cheek, a hug, having a friend over to play, staying up late, watching a favorite TV show, or playing a game with a parent. (See Appendix for Reward Menu.)

Parent's Guide to earning Disabilities **3.** If there are other children or adolescents in the home, reward them for doing what the are told to do without requiring remiput

4. Carefully conside experience when, telling him/

5. vhat he/she (e.g., show your should d child how ne trash when told to do so).

6. When your child requires a reminder(s) to do something, explain what he/she did wrong, what should have been done, and why.

For example: You told your child to set the table before dinner. It is now five minutes until dinner time and the table is not set. Go to your child, tell him/her that this is a reminder to set the table and that it needs to be done immediately because dinner is ready.

7. Make sure your child is paying attention to you when you tell him/her to do something. Have your child look directly at you to know he/ she is listening and have your child repeat the direction to check for understanding.

8. Do not give directions to your child from another room. Go to your child, get his/her undivided attention, and tell him/her what should be done

9. Write a contract with your child. For example: I, William, will make my bed without having to be reminded to do so for 5 days in a row. When I accomplish this, I can watch 30 extra minutes of TV. The contract should be written within the ability level of your child and should on only one behavior at a time for an example of a B

> ccur as a do what he/she is put a bike in the garage reing stolen, leaving a toy in the result in it being run over by a car,

11. Make certain that your child sees the relationship between his/her behavior and the consequences which follow (e.g., failing to retrieve a toy from the street results in having a broken tov).

12. Along with a directive, provide an incentive statement (e.g., "You may have a bowl of ice cream after you get ready for bed.").

13. Do not give your child more than two or three steps to follow in one direction. Directions that involve several steps can be confusing and cause your child to have difficulty following them. An example of a two-step direction is: "Please brush your teeth and go to bed."

14. Deliver directions in a supportive, rather than threatening, manner (e.g., "Please take out the trash." rather than "You had better take out the trash or else!").