

## Appendix

Comparison of Language Differences vs. Disabilities. This publicly available tool is taken from Meeting the Needs of English Learners with Disabilities: Resource Book by Jarice Butterfield. L1 refers to the student's first language and L2 refers to the student's second language (in this context, English).

<b>Oral Comprehension/ Listening</b>		
<b>Learning Behavior Manifested</b>	<b>Indicators of a Language Difference</b>	<b>Indicators of a Possible Learning Disability</b>
Student does not respond to verbal directions	Student lacks understanding of vocabulary on English but demonstrates understanding in L1	Student consistently demonstrates confusion when given verbal directions in L1 and L2; may be due to processing deficit or low cognition
Student needs frequent repetition of oral directions and input	Student is able to understand verbal directions in L1 but not L2	Student often forgets directions or needs further explanation in L1 and L2 (home & school); may be due to an auditory memory difficulty or low cognition
Student delays responses to questions	Student may be translating question in mind before responding in L2; gradual improvement over time	Student consistently takes a longer time period to respond in L1 and L2 and it does not change over time; may be due to a processing speed deficit

<b>Speaking/ Oral Fluency</b>		
<b>Learning Behavior Manifested</b>	<b>Indicators of a Language Difference</b>	<b>Indicators of a Possible Learning Disability</b>
Student lacks verbal fluency (pauses, hesitancy, omits words)	Student lacks vocabulary, sentence structure, and/or self-confidence	Speech is incomprehensible in L1 and L2; may be due to hearing or speech impairment

Student is unable to orally retell a story	Student does not comprehend story due to a lack of understanding and background knowledge in English	Student has difficulty retelling a story or event in L1 and L2; may have memory or sequencing deficits
Student does not orally respond to questions, or does not speak much	Lacks expressive language skills in English; it may be the silent period in 2nd language acquisition	Student speaks little in L1 or L2; student may have a hearing impairment or processing deficit

<b>Phonemic Awareness/ Reading</b>		
<b>Learning Behavior Manifested</b>	<b>Indicators of a Language Difference</b>	<b>Indicators of a Possible Learning Disability</b>
Student does not remember letter sounds from one day to the next	Students will initially demonstrate difficulty remembering letter sounds in L2 since they differ from the letter sounds in L1, but with repeated practice over time will make progress	Student doesn't remember letter sounds after initial and follow-up instruction (even if they are common between L1/L2 ); may be due to due a visual/auditory memory deficit or low cognition
Student is unable to blend letter sounds in order to decode words in reading	The letter sound errors may be related to L1 (for example, L1 may not have long and short vowel sounds); with direct instruction, student will make progress over time	Student makes letter substitutions when decoding not related to L1; student cannot remember vowel sounds; student may be able to decode sounds in isolation, but is unable to blend the sounds to decode whole word; may be due to a processing or memory deficit
Student is unable to decode words correctly	Sound not in L1, so unable to pronounce word once decoded	Student consistently confuses letters/words that look alike; makes letter reversals, substitutions, etc. that are not related to L1; may be processing or memory deficit

Reading Comprehension/ Vocabulary		
Learning Behavior Manifested	Indicators of a Language Difference	Indicators of a Possible Learning Disability
Student does not understand passage read, although may be able to read w/ fluency and accuracy	Lacks understanding and background knowledge of topic in L2; is unable to use contextual clues to assist with meaning; improvement seen over time as L2 proficiency increases	Student doesn't remember or comprehend what was read in L1 or L2 (only applicable if student has received instruction in L1); this does not improve over time; this may be due to a memory or processing deficit
Does not understand key words/ phrases; poor comprehension	Lacks understanding of vocabulary and meaning in English	The student's difficulty with comprehension and vocabulary is seen in L1 and L2

Writing		
Learning Behavior Manifested	Indicators of a Language Difference	Indicators of a Possible Learning Disability
Errors made with punctuation/ capitalization	The error patterns seen are consistent with the punctuation and capitalization rules for L1; student's work tends to improve with appropriate instruction in English	Student consistently or inconsistently makes capitalization and punctuation errors even after instruction; this may be due to deficits in organization, memory or processing
Student has difficulty writing grammatically correct sentences	Student's syntax is reflective of writing patterns in L1; typical error patterns seen in 2nd language learners (verb tense, use of adverbs or adjectives); improves over time	The student makes more random errors such as word omissions, missing punctuation; grammar errors are not correct in L1 or L2; this may be due to a processing or memory deficit

<p>Student has difficulty generating a paragraph or writing essays but is able to express his or her ideas orally</p>	<p>Student is not yet proficient in writing English even though they may have developed verbal skills; student makes progress over time and error patterns are similar to other 2nd language learners</p>	<p>The student seems to have difficulty paying attention or remembering previously learned information; the student may seem to have motor difficulties and avoids writing; student may have attention or memory deficits</p>
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<p style="text-align: center;"><b>Spelling</b></p>		
<p style="text-align: center;"><b>Learning Behavior Manifested</b></p>	<p style="text-align: center;"><b>Indicators of a Language Difference</b></p>	<p style="text-align: center;"><b>Indicators of a Possible Learning Disability</b></p>
<p>Student misspells words</p>	<p>Student will “borrow” sounds from L1; progress seen over time as L2 proficiency increases</p>	<p>Student makes errors such as writing the correct beginning sound of words and then random letters or correct beginning and ending sounds only; may be due to a visual memory or processing deficit</p>
<p>Student spells words incorrectly; letters are sequenced incorrectly</p>	<p>Writing of words is reflective of English fluency level or cultural thought patterns; words may align to letter sounds or patterns of L1 (sight words may be spelled phonetically based on L1)</p>	<p>The student makes letter sequencing errors such as letter reversals that are not consistent with L1 spelling patterns; may be due to a processing deficit</p>

<b>Mathematics</b>		
<b>Learning Behavior Manifested</b>	<b>Indicators of a Language Difference</b>	<b>Indicators of a Possible Learning Disability</b>
Student manifests difficulty learning math facts and/or math operations	Student lacks comprehension of oral instruction in English; student shows marked improvement with visual input or instructions in L1	Student has difficulty memorizing math facts from one day to the next and requires manipulatives or devices to complete math problems; may have visual memory or processing deficits
Student has difficulty completing multiple-step math computations	Student lacks comprehension of oral instruction in English; student shows marked improvement with visual input or instructions in L1	Student forgets the steps required to complete problems from one day to the next, even with visual input; student reverses or forgets steps; may be due to a processing or memory deficit
Student is unable to complete word problems	Student does not understand mathematical terms in L2 due to English reading proficiency; student shows marked improvement in L1 or with visuals	Student does not understand how to process the problem or identify key terms in L1 or L2; may be a processing deficit/reading disability

<b>Handwriting</b>		
<b>Learning Behavior Manifested</b>	<b>Indicators of a Language Difference</b>	<b>Indicators of a Possible Learning Disability</b>
Student is unable to copy words correctly	Lack of experience with writing the English alphabet	Student demonstrates difficulty copying visual material to include shapes, letters, etc. This may be due to a visual/motor or visual memory deficit

<b>Behavior</b>		
<b>Learning Behavior Manifested</b>	<b>Indicators of a Language Difference</b>	<b>Indicators of a Possible Learning Disability</b>
Student appears inattentive and/or easily distracted	Student does not understand instructions in English due to level of proficiency	Student is inattentive across environments even when language is comprehensible; may have attention deficits
Student appears unmotivated and/or angry; may manifest internalizing or externalizing behavior	Student does not understand instruction due to limited English and does not feel successful; student has anger or low self-esteem related to 2nd language acquisition	Student does not understand instruction in L1 or L2 and across contexts; may be frustrated due to a possible learning disability
Student does not turn in homework	Student may not understand directions or how to complete the homework due to lack of English proficiency; student may not have access to homework support at home	Student seems unable to complete homework consistently even when offered time and assistance with homework during school; this may be due to a memory or processing deficit