|  |  |  |  |
| --- | --- | --- | --- |
| **Dyslexia type** | **Typical errors** | **Malabi stimuli sensitive**  **to that dyslexia type** | **Sensitive stimuli**  example -> possible error |
| **Attentional** | Migration of letters between neighboring words. The migrating letter retains its within-word position.  Omission of a letter that appears in the same position in two neighboring words | Migratable word pairs: word pairs in which a migration of a letter between neighboring words (horizontal or vertical distance < 2 items) that retains its within-word position creates another existing word. Items in the vertical single word list also organized accordingly.  **44** horizontally presented  word-pairs | morte  varie -> *marie*  balle selle -> *salle belle* |
| **Letter Position** | Letter transpositions within words and pseudowords. Omission of an instance of a doubled letter, or doubling of a letter. | Transposable words/nonwords: Items in which a within-word transposition can form a new word.  44 words  **22** pseudowords | magner -> *manger*  fotre -> *forte* |
| **Neglect** | Omission, substitution, and addition of letters consistently on one side of the word/nonword | Items in which an omission or substitution of a letter on the neglected side creates an existing word.  80 left-neglect words  60 right-neglect words  13 left-neglect pseudowords | ruse -> *use* or *muse*  cela -> *la*  truche -> *ruche* or *cruche* |
| **Letter identity** | Omission/ substitution of letters (which cannot be explained by letter position dyslexia or attentional dyslexia, and are not consistent to one side of the word) | Examined through all words in the test | prie -> *plié* |
| **Visual (orthographic-visual analyzer)** | Omissions, substitutions, and additions of letters, letter-position, and attentional errors | Examined through all words in the test. Omission, substitution, addition of consonants, that cannot be explained by attentional or letter position dyslexias. | (A mixed bag of the visual-analyzer errors.)  bras -> *bas*  vole -> *voté* |
| **Phonological**  **Grapheme-to-phoneme conversion** | Difficulty reading new words and  pseudowords. Reading from the mental lexicon is intact | Easily pronounceable pseudowords  **40** pseudowords | flache -> *flaque* |
| **Phonological Output Buffer** | Difficulty with long or morphologically complex words and pseudowords, function words, number words | Long and, morphologically complex words and pseudowords; function words, number words  single words including:  **40** morphologically complex  **8** number words  **13** function words | marcherions -> *marchons*  trois -> *treize*  mais -> *car* |
| **Vowel** | Vowel omissions, migrations, substitutions, and additions in pseudowords (and words, when read via the sublexical route, such as in cases it is combined with surface dyslexia). More vowel errors than the control group, not more consonant errors. | Items in which a vowel error  forms another word.  **73** words allowing for omission, substitution, or addition  **20** pseudowords | lueur -> *leur*  mais -> *mois*  qui -> quoi  porte -> *pourte*  troche -> *triche*  noveau -> *nouveau* |
| **Surface** | Regularization of letters, digraph, and diphthongs in irregular words. | Irregular, but frequent, words.  **97** single words | vise /viz/ -> *visse* /vis/  fille /fij/ -> fil /fil/  parfum /paʁfœ̃/ ->  *parfume* /paʁfym/ |
| **Deep** | Semantic errors and associations (reading another word of a related meaning); morphological errors, visual errors. Severe difficulty with nonwords, abstract words, function words and number words. | **40** unambiguously imaginable  single words  Abstract, morphologically complex, function words, and nonwords  **40** morphologically complex  **8** number words  **13** function words | boulangerie -> *croissant*  marcherions -> *marchons*  trois -> *treize*  mais -> *car* |
| **Appendix Table A.** The different types of dyslexia screened by the Malabi: Errors characteristic of each type of dyslexia, the types of stimuli in the Malabi used to detect this dyslexia, and examples of sensitive words in French. Words in *italic* demonstrate the possible reading response that identifies the dyslexic category's error. | | | |