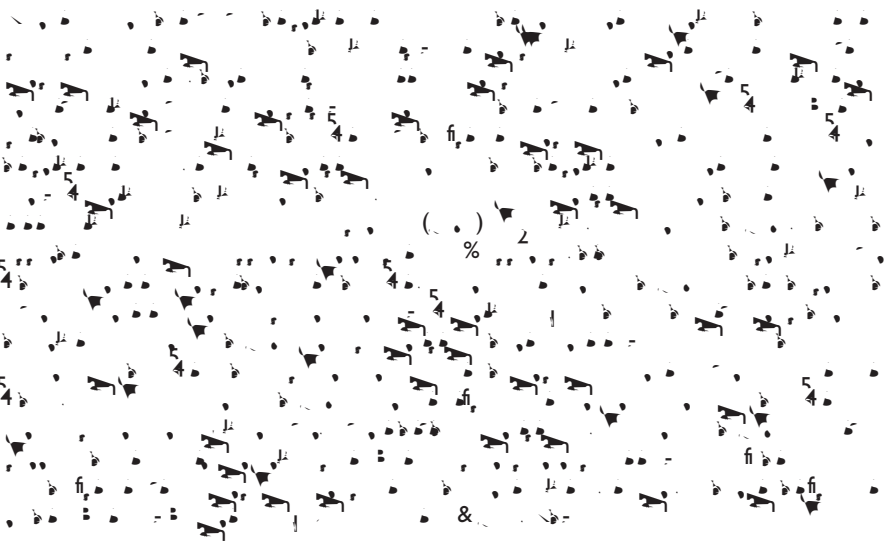
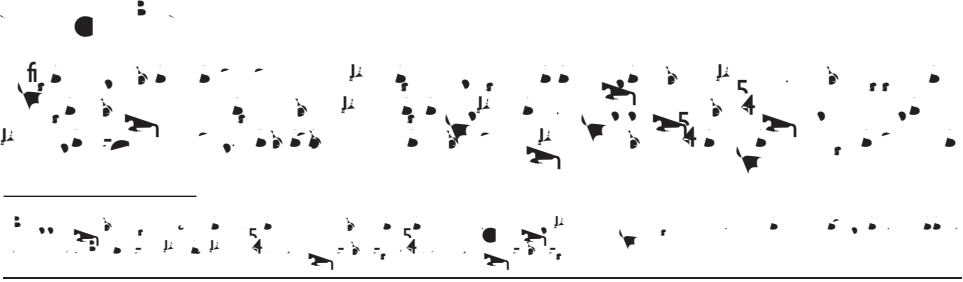




De a men of P cholog , Peking Uni e i , Beijing, China  
1 De a men of Ba ic Ed ca ion II, Mini ion of Ed ca ion, Beijing, China  
2 De a men of A llied Social Science, Pol echnic Uni e i of Hong Kong, Ho koon, Hong Kong  
3 Sa e Ke Labo a o of Cogni i e Ne o science and Lea ning, Beijing No mal Uni e i , Beijing, China  
4 De a men of S ecial Ed ca ion, Peabod Colle e of Ed ca ion and H man De elo men ,  
Vande bil Uni e i , Na h ille, TN, USA  
School of lang age and comm nica ion, Beijing Jiao ng Uni e i , Beijing, China  
The Join PekingU-Pol U Cen e fo Child De elo men and Lea ning, Peking Uni e i , Beijing, China



**Keywords:** ...



99 & 5/4 ( & fi  
( 9) ( e al 2  
( 9) ( e al 99 & 99  
& e al 99)

• 14 ( - 3

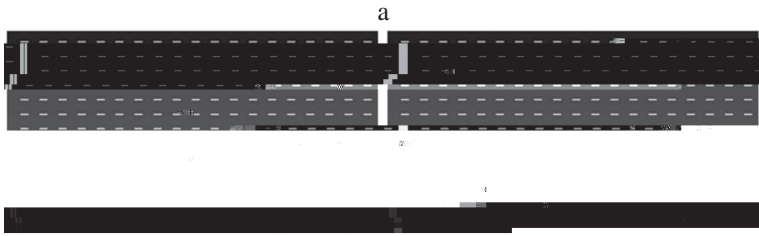


Figure 1. Center letter (a) and target (b) for the perceptual learning task.



### Participants

Forty-four children (22 boys and 22 girls) with developmental dyslexia (DD) and 44 children (22 boys and 22 girls) with typical reading skills (TD) participated in the study. The children were recruited from a large-scale screening program for developmental dyslexia in the Netherlands. The children were aged between 8 and 10 years. The children with DD had a reading age that was at least 1.5 years below their chronological age. The children with TD had a reading age that was within 1.5 years of their chronological age. All children had normal hearing and no other conditions that could affect reading. The study was approved by the local ethics committee.

ff ( )

**Pretests**

*The S and a di ed Chine e Cha ac e Recogni ion Te ( & 99)*

( )

*The Reading Fl enc Te*

ff

*Ra en' S and a d P og e i e Ma ice*

( & 94 )

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

## Procedures



Musical score for two staves. The notation includes various notes, rests, and dynamic markings. The score is written in a system with two staves.

Key markings and annotations include:

- $f$  (forte)
- $ff$  (fortissimo)
- $F(\dots)$  (a dynamic marking with a note name and a circled note)
- $22$  (a measure number)
- $<$  and  $>$  (accents)
- $(\dots)$  (phrasing slurs)
- $\text{tr}$  (trill)
- $\text{rit}$  (ritardando)

The score consists of two staves of music. The first staff begins with a treble clef and a key signature of one flat (B-flat). The second staff begins with a bass clef and a key signature of one flat (B-flat). The music is written in a common time signature (C). The score includes various rhythmic values, including eighth and sixteenth notes, and rests. The dynamic markings  $f$  and  $ff$  are placed below the notes. The marking  $F(\dots)$  is placed above a note in the first staff. The number 22 is placed above a measure in the second staff. The markings  $<$  and  $>$  are placed above notes in the second staff. The marking  $(\dots)$  is placed above a group of notes in the second staff. The marking  $\text{tr}$  is placed above a note in the second staff. The marking  $\text{rit}$  is placed below the notes in the second staff.

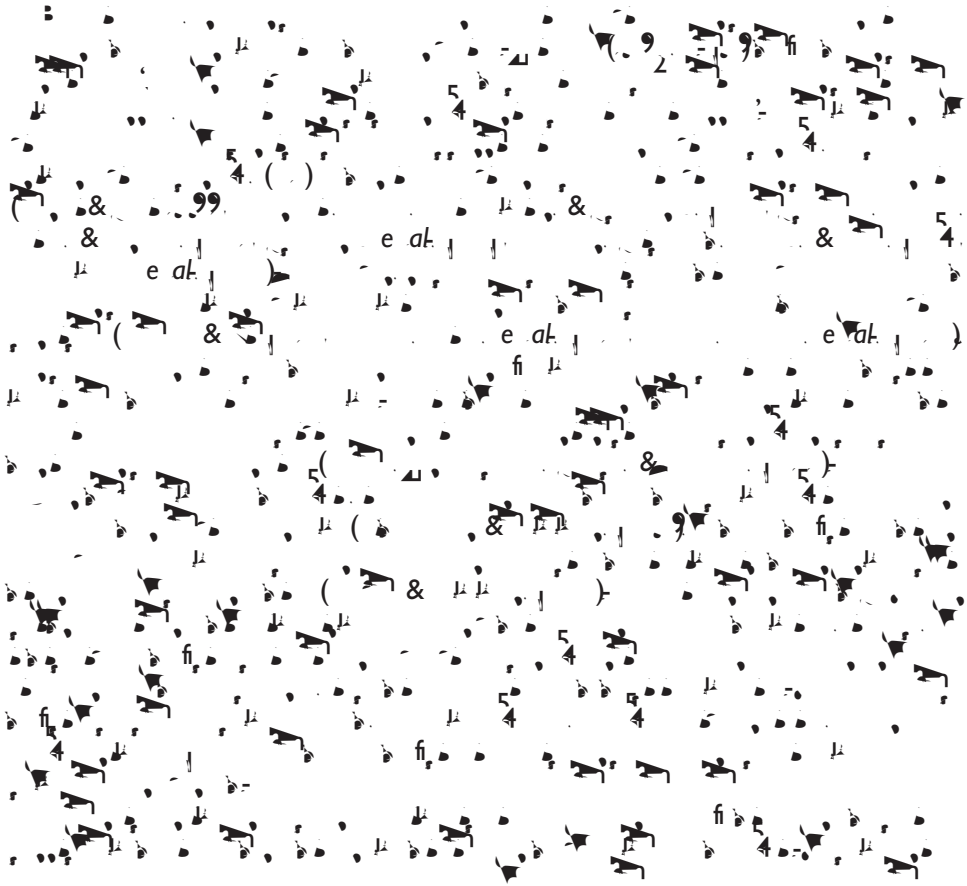




o hoc  
 ( < )  
 ( )  
 ( )  
 ( - )  
 (M SD )  
 M SD = 9 F( ) <

( 2 )

The image shows a page of musical notation, likely a score for a piano piece. The notation is complex, featuring many sixteenth and thirty-second notes, suggesting a fast and intricate piece. The score is written on a grand staff with treble and bass clefs. There are various musical notations, including slurs, ties, and dynamic markings like 'f' (forte) and 'ff' (fortissimo). The piece appears to be in a minor key, possibly D minor, given the presence of a flat sign on the F line of the bass clef. The notation is dense and intricate, typical of a virtuosic piano work.



5  
4  
y

1-

f

.

.

,

.

.

5  
4  
y

f

.

.

... = (99) ... Pe ce ion 23  
... & ... ( ) ...



Develo menal Psychology 37. . . . .99

Proceeding of the National Academ of Science 105. . . . .44

Nature 43. . . . .

Neuroeology 18(9). . . . .94-9

NeuroImage 57. . . . .21-21

Neuroscience 20. . . . .T end in

Neurochologia 44. . . . .9-

Annal of the New York Academ of Science 1145. . . . .2-2

Psychonomic Bulletin & Review 24. . . . .

Language 9. . . . .- Bain and

Developmental Brain Research 123. . . . .9

Proceeding of the National Academ of Science 100. . . . .4-

Contemporary Educational Psychology 28. . . . .4-9-

Journal of Emotional Child Psychology 19. . . . .112-121

Journal of Neurological Psychology 76. . . . .2-9-9-

Neurochologia 41. . . . .(1-2) . . . . .

Tend in Cognitive Science 144. . . . .2-

Vision Research 25. . . . .(94)

Psychological Bulletin 107. . . . .(9)

Brain Research 1124. . . . .(1)

Cerebral Cortex 15. . . . .(1-54)

Journal of Vision 13(4). . . . .9-9



