

Supplementary Material 1. Auditory behavior checklist, ABC

Auditory Behavior Checklist, ABC		
Name: M / F	Age:	School (grade):
Writer:	Relationship:	Date:

This checklist items are for examining the auditory behavioral characteristics of students and is classified on a 5-point scale. Please read each question carefully and mark the number corresponding to how much your (or your student's) listening ability compares to that of your peers.

Question	Always	Often	Sometimes	Seldom	Never
1. You have a problem with hearing.	1	2	3	4	5
2. You do not respond well when called with a regular voice at close range.	1	2	3	4	5
3. You do not respond well when called with regular voice over long far distance (3-10 m).	1	2	3	4	5
4. You usually listen to the TV or Radio (or mobile devices such as a phone or MP3 player) with a loud volume.	1	2	3	4	5
5. You have difficulties in finding the exact location of where sound is coming from.	1	2	3	4	5
6. In the presence of background noise, you do not understand spoken (oral) questions or instructions very well.	1	2	3	4	5
7. In the presence of background noise, you do not understand spoken questions or instructions very well when performing other activities (drawing, reading, etc.)	1	2	3	4	5
8. In the presence of background noise, you have difficulties engaging in conversations with friends or family.	1	2	3	4	5
9. You do not understand humor or jokes well.	1	2	3	4	5
10. You do not understand words or language expressions of the peer groups very well.	1	2	3	4	5
11. You do not understand fast or muttering speech very well.	1	2	3	4	5
12. You fail to respond appropriately to spoken (oral) questions or instructions.	1	2	3	4	5
13. You frequently make mistakes in pronunciation (articulation).	1	2	3	4	5
14. You often ask to be repeated.	1	2	3	4	5
15. You often say "Yes?" or "what?" which indicate that the student did not understand what the other person was saying.	1	2	3	4	5
16. Your attention time is short.	1	2	3	4	5
17. You are hesitant or confused with complicated spoken (oral) instructions.	1	2	3	4	5
18. You have difficulties focusing attention in quiet situations.	1	2	3	4	5
19. You have difficulties focusing attention in noisy situations.	1	2	3	4	5
20. You do not focus in class and have blank or useless thoughts.	1	2	3	4	5
21. You are easily distracted.	1	2	3	4	5
22. You have difficulties remembering spoken (oral) instructions.	1	2	3	4	5
23. You have difficulties remembering spoken words or numbers such as phone numbers or names.	1	2	3	4	5
24. You have difficulties remembering the order about spoken (oral) information.	1	2	3	4	5
25. You do not remember spoken (oral) instructions even after listening to it for more than an hour.	1	2	3	4	5
26. You do not remember spoken words or numbers even after listening to it for more than an hour.	1	2	3	4	5
27. Your academic ability is generally insufficient.	1	2	3	4	5
28. You have difficulties reading.	1	2	3	4	5
29. You have difficulties in dictation and spelling.	1	2	3	4	5
30. You have difficulties in learning a song or rhythm.	1	2	3	4	5
31. You have difficulties in learning foreign languages or new terms.	1	2	3	4	5
32. You are slow to respond to spoken (oral) questions or instructions.	1	2	3	4	5
33. You cannot finish the assignment within the deadline.	1	2	3	4	5
34. You have difficulties performing a task to complete with friends.	1	2	3	4	5
35. You are not good at organizing things.	1	2	3	4	5
36. You feel tired easily.	1	2	3	4	5

Adapted from the Korea National Institute for Special Education [6].