



THE
RIVER
SCHOOL

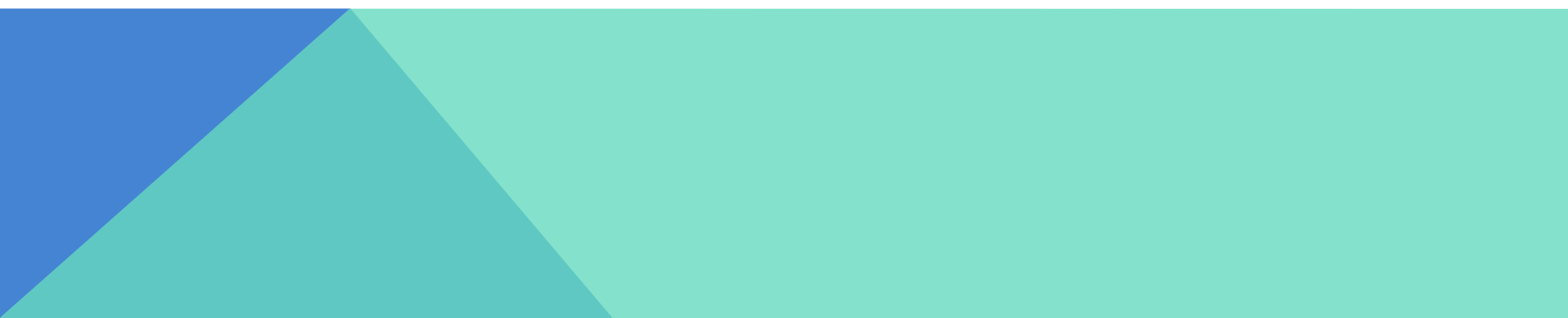
AUDIOLOGY IN THE TRENCHES:

Device Quick Sheets for Providers and Caregivers

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DISCLAIMERS

- We are both full-time employees of The River School
 - The River School is a 501(c)3 non-profit organization.
 - This presentation addresses components of The River School program
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THE RIVER SCHOOL

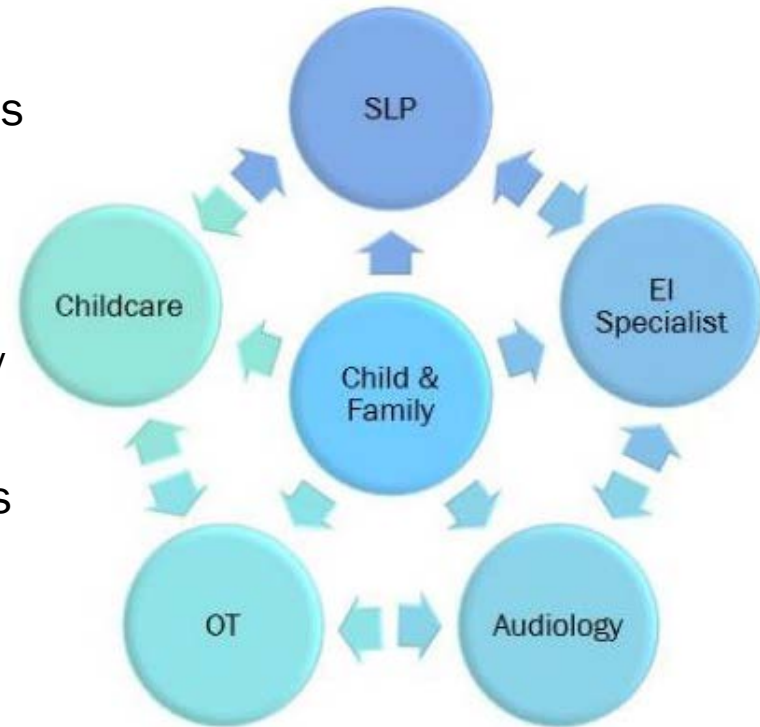
Mission Statement:

The River School's inclusive program challenges each child to work collaboratively, to think critically, and to develop the confidence to take risks, embrace their curiosity, and find their voice.

- Serves 240 children from birth - third grade
- Inclusive model (1-4 children with hearing loss in each classroom)
- Classrooms co-taught by an Educator and a Speech-Language Pathologist
- Interdisciplinary team (Audiology, OT, Psychology, Speech, AVT)

INTERDISCIPLINARY TEAMING

- Families work with numerous professionals during their early intervention years and beyond
- One area for potential communication breakdown is the sharing of information between professionals
- Families are often expected to explain their child's devices and hearing loss to other professionals, even though they likely have never worked with any kind of hearing technology before.
- 40-80% of medical information provided to families during an appointment is forgotten immediately afterwards.
- The more information presented, the less families are able to recall and almost half of what is remembered is incorrect.



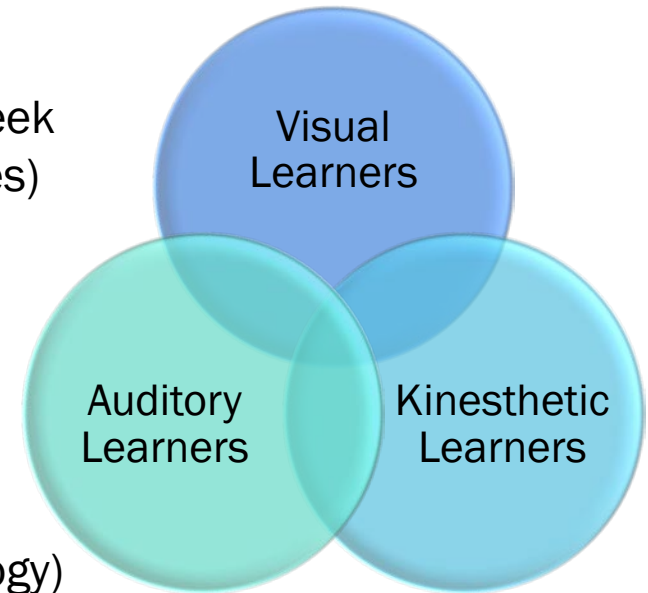
DEVICE QUICK SHEETS

Why?

- Lack of retention of information from orientation week to “real life” in the classroom (various learning styles)
- Changing children and devices each year
- Busy dynamic classrooms

Who?

- Classroom teaching team
- Individual therapists (e.g. Speech/AVT, OT, Psychology)
- After school programs
- **Design**
- Small but easy to read
- Most important information



QUICK SHEET CONTENT

Front Page:

Child's Demographic and
Audiological Information

- Child's date of birth
- Child's audiology and other providers
- Important history regarding child's hearing loss (i.e. date of implantation, etiology, other diagnoses, etc.)
- Audiogram with date of completion

Back Page:

Child's Device Information and
Troubleshooting

- Name of device(s)
 - Brand/Model
 - Power Level
- Battery Size
- How to power device on and off
- Easy Troubleshooting Steps
- Indicator Lights

FRONT PAGE: CHILD'S DEMOGRAPHIC AND AUDIOLOGICAL INFORMATION



Child's Name
DOB 00/00/00

Audiologist:

Dr. Jones

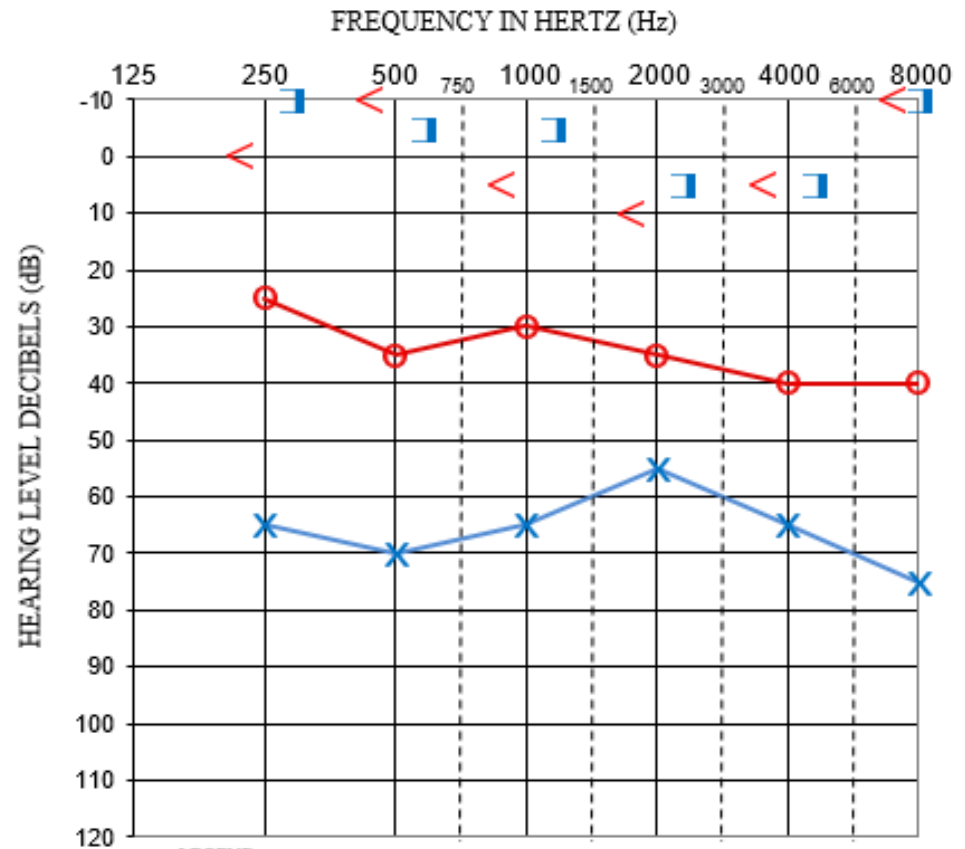
Hearing Loss:

Right: Moderate Rising to Slight
Mixed

Left: Moderate to Moderately-
Severe Conductive

History:

- Etiology:
 - Right: Ossicular fusion
 - Left: Microtia & Atresia



LEGEND

Air Conduction		Bone Conduction		
Unmasked	Masked	Unmasked	Masked	Unspecified
O	Δ	<		^
X	□	>]	
Sound Field		No Response	Could Not Test	Did Not Test
Aided	Unspecified			
R		↙	CNT	DNT
L	S	↘		

Degree of Hearing Loss	
Normal	-10 to 15
Slight	16 to 25
Mild	26 to 40
Moderate	41 to 55
Moderately Severe	56 to 70
Severe	71 to 90
Profound	91+

Date of Audiogram: 4/10/17

BACK PAGE: DEVICE INFORMATION

BIMODAL

Left: Phonak Naida Link

Batteries:

- Size 675 Disposable

To Power ON: Close battery door

To Power OFF: Open battery door

Troubleshooting Steps:

1. Check battery
2. Check earmold & tubing for wax/moisture
3. Listen to device with and without earmold attached



Right: AB Naida

Batteries:

- Rechargeable
- 675 ImplantPLUS Disposable

To Power ON: Slide battery onto processor
(Initial amber light shows battery status)

To Power OFF: Slide battery off processor

Troubleshooting Steps:

1. Check battery
2. Listen to device
3. Check cable

Device
Indicator Lights



Internal device lock	● ● ● ● ● ● ●
No device lock	● — ● — ● — ●
Low battery	▬
BAD processor	▬
Dead battery	▬

BACK PAGE: DEVICE INFORMATION

BILATERAL COCHLEAR IMPLANT

Bilateral: Cochlear N6

Batteries:

- Rechargeable
- 675 ImplantPLUS Disposable

To Power ON: Twist battery onto processor

To Power OFF: Twist battery off of processor

Troubleshooting Steps:

1. Check battery
2. Listen to device
3. Check cable

Device
Indicator Lights



Wireless streaming	● ● ● ● ● ● ● ●
Internal device lock	● ● ● ● ● ● ● ●
No device lock	● — ● — ● — ●
Low battery	● ● ● ● ● ● ● ●
BAD processor	—————
Dead battery	—————

Backups: Cochlear Kanso

Batteries:

- 675 ImplantPLUS Disposable

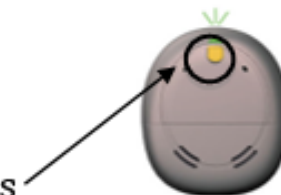
To Power ON: Press power button

To Power OFF: Hold power button until steady orange light

Troubleshooting Steps:

1. Check battery

Device
Indicator Lights



Wireless streaming	● ● ● ● ● ● ● ●
Internal device lock	● ● ● ● ● ● ● ●
No device lock	● — ● — ● — ●
Low battery	● ● ● ● ● ● ● ●
BAD processor	—————
Dead battery	—————

BACK PAGE: DEVICE INFORMATION

BILATERAL HEARING AID

Bilateral: Oticon Sensei Pro SP

Batteries:

- Size 13 Disposable

To Power ON: Close battery door

To Power OFF: Open battery door until click

Troubleshooting Steps:

1. Check battery
2. Check earmold & tubing for wax/moisture
3. Listen to device with and without earmold attached

Device
Indicator Lights



Hearing Aid ON	● — ● — ● — ●
Low battery	● ● ● ● ● ● ●
Dead battery	— — — — —

BACK PAGE: DEVICE INFORMATION

BAHA

BAHA 5 Power

Batteries:

- Size 675 disposables

To Power ON (Start Up): Completely close battery compartment




To Power OFF: Gently open battery compartment until first click.

Troubleshooting Steps:

1. Check battery
2. Listen to device



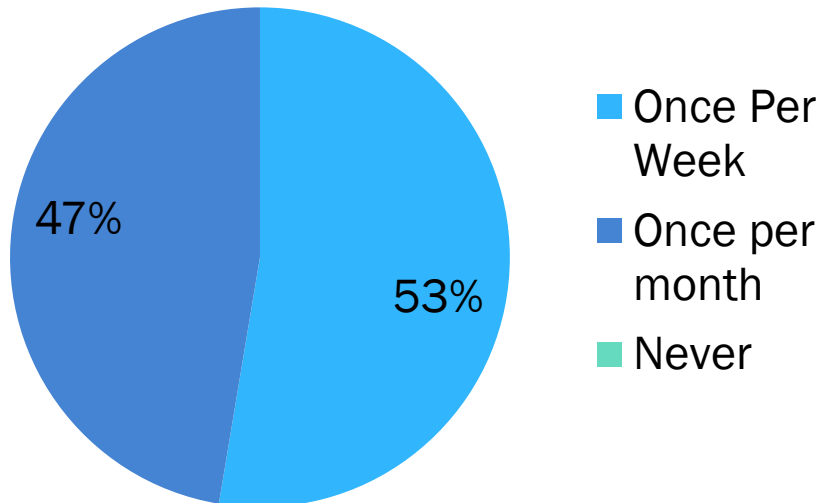
Device Indicator Lights

Start up	 Steady light for 10 seconds
Low battery	 Rapid flashes for 2.5 seconds
Wireless streaming activated	 1 long flash followed by 1 short flash

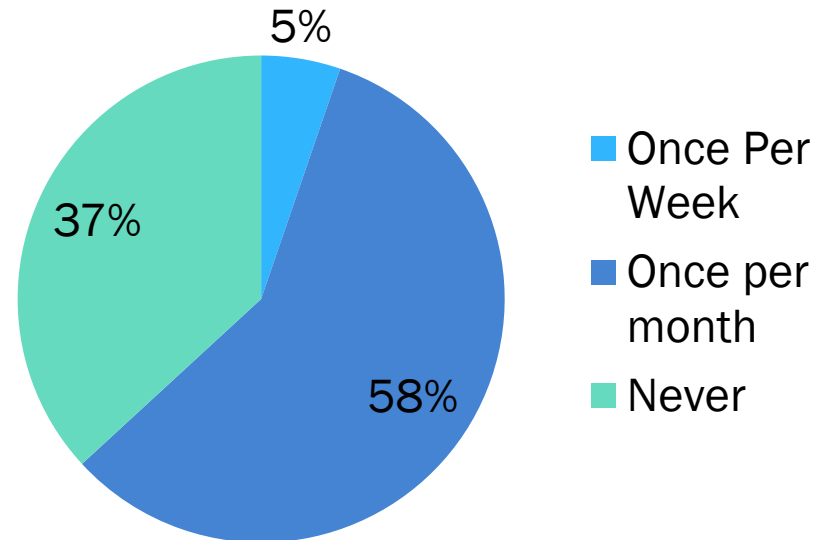
FACULTY FEEDBACK – SURVEY RESULTS

- 19 Participants
 - 7 Educators
 - 12 Speech Language Pathologists
- How helpful do you feel the Device Quick Sheets have been?
 - Everyone rated them at “Somewhat Helpful” or above
- How often have you used the Device Quick Sheets?

First 3 Months



Last 3 Months



FACULTY FEEDBACK – OVERALL FIRST IMPRESSIONS OF DEVICE QUICK SHEETS

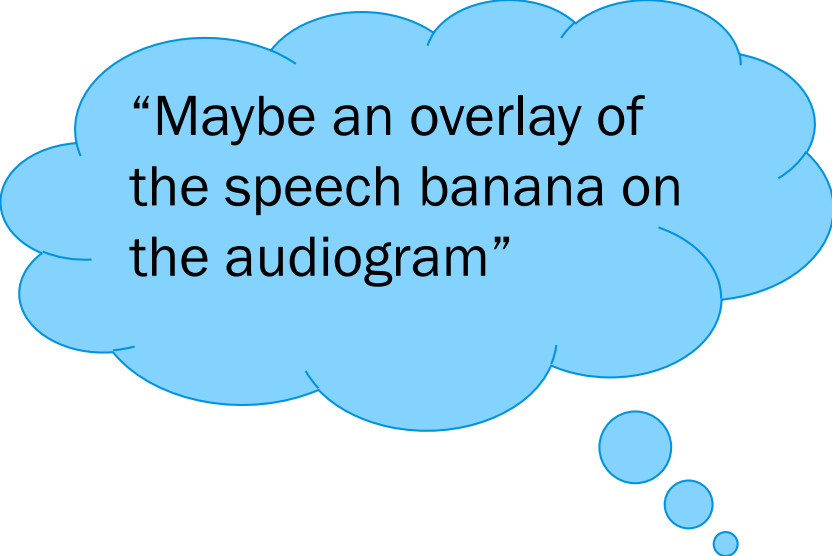
“I thought they were incredible! It seemed an easy way to explain to support staff, parents, nannies, etc. the needs of the child and their device.”

“They were clean and easy to read; well designed and useful.”

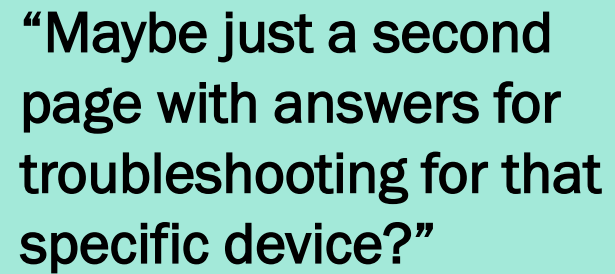
“Loved the idea! Helpful info in an easy to use format.”

“Thank goodness! I have information that I can use to at least get started in understanding how to support the students with hearing loss.”

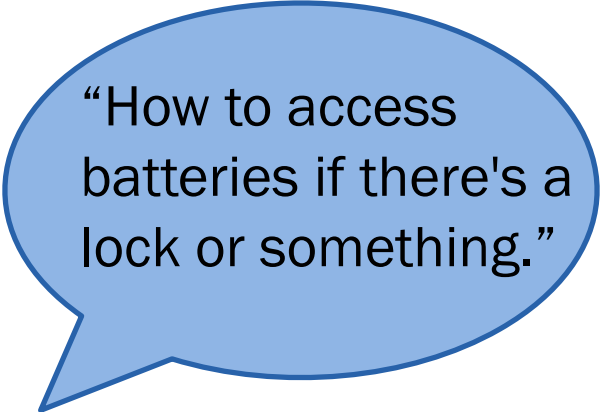
FACULTY FEEDBACK – SUGGESTIONS FOR DEVICE QUICK SHEETS



“Maybe an overlay of the speech banana on the audiogram”



“Maybe just a second page with answers for troubleshooting for that specific device?”



“How to access batteries if there's a lock or something.”

FUTURE/POTENTIAL APPLICATIONS

- Daycare providers
- Babysitters/nannies
- Grandparents
- Early intervention specialists
- Public school teachers
- Itinerant teachers
- Individual therapists
- Tutors
- Dedicated aides/nurses
- Coaches/camps
- Sleepover parties

“I think it would be AMAZING for teachers, babysitters, etc. who aren't as experienced. Maybe a more simplified version for parents/babysitters/nannies (without the audiogram and more basic equipment info?)”

“Classroom teachers in public schools could really benefit from this kind of quick reference info.”

OTHER TOOLS/RESOURCES

Home Visit Checklist

- “Getting to know your child”
- Overview of child’s listening devices

Listening Check Log

- Daily Ling 6 sound check
- Listen to device microphones

Listening Kit

- CI listening checks
- Hearing aid cleaning/troubleshooting tools
- Batteries & tester

SHARING EXPERIENCES



REFERENCES

Kessels, RP, Patients' memory for medical information. Journal of the Royal Society of Medicine 2003; 96(5): 219-222.

McGuire LC, Remembering what the doctor said: organization and older adults' memory for medical information. Exp Aging Res 1996;22: 403-28

Anderson JL, Dodman S, Kopelman M, Fleming A. Patient information recall in a rheumatology clinic. Rheumatol Rehabil 1979;18: 245-55

THANK YOU!

For more information, please feel free to contact us!

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www.riverschool.net