

Paraprofessional - Deaf and Hard of Hearing Modules Hearing and Amplification

Google Site - Iowa Teachers & Audiologists - Deaf and Hard of Hearing Services

Paraprofessional - Deaf and Hard of Hearing

<https://sites.google.com/nwaea.org/iowa-teachers-audiologists/para-dhh?authuser=0>

Module Outcomes

Outcomes for this course include:

- To understand the roles and responsibilities of paraprofessional who work with the learner who is deaf or hard of hearing.
- To understand the impact of hearing loss on learning.
- To understand the use of technology to support learning
- To understand instructional strategies for working with the learner who is deaf or hard of hearing.

Objectives to Hearing and Amplification

- To learn the Parts of the Ear and How The Ear Works
- To understand How We Hear
- To understand the Audiogram and Hearing Measurement
- To become familiar with the Types and Causes of Hearing Loss

Prior to the Paraprofessional beginning the next session, the Paraprofessional should have been provided the following:

- o Confirmation of the personalized lessons to complete within this section (hearing aid, cochlear implant, and or hearing assistive technology - HAT).
- o A copy of the Amplification Monitoring form used with the learner.
- o The tool to open the hearing aid safety locked door (as appropriate).
- o The tool(s) needed for the cochlear implant listening check (as appropriate).

Facilitation Guide

- Paraprofessional begins **Hearing and Amplification – Hearing**
- Paraprofessional learns about the Parts of the Ear
- Paraprofessional views video [How The Ear Works](#)
- Paraprofessional completes Quiz
- Paraprofessional learns about the role of the Educational Audiologist
- Paraprofessional learns about the Audiogram and Hearing Testing
- Paraprofessional views [video](#) of examples of pitch and loudness
- Paraprofessional downloads a [blank audiogram](#)
 - o Activity – Label the high, low, soft and loud sounds
- Paraprofessional learns about the Levels of Hearing
- Paraprofessional views the [Flintstone video of Degrees of Hearing Loss](#)
- Paraprofessional learns about the Speech Banana Audiogram – downloads the [Speech Banana Audiogram](#)
 - o Activity – Label the varied sounds on the audiogram
- Paraprofessional learns about the Types and Cause of a Hearing Loss
- Paraprofessional learns about background noise
- Paraprofessional views the video - [Ambient Noise: What is it? Why is it important?](#)
- Paraprofessional reviews the Resources listed by clicking on the websites
- Paraprofessional emails the Educational Audiologist to obtain a copy of the learner's audiogram and reflect on the three questions.
 - o Can the learner hear better in one ear than the other?
 - o What is the learner's level of hearing?
 - o What might be some sounds (environmental or speech) that would be more difficult for your learner to hear?

- Paraprofessional completes Quiz
- Paraprofessional learns about Amplification – overview of different kinds of amplification
 - Hearing Aids
 - Cochlear Implants
 - Hearing Assistive Technology (HAT)
- Paraprofessional views the video [Hearing Aid – FM Simulation Captioned Version](#)
- Paraprofessional learns about A Listening Check
- Paraprofessional downloads the Ling Test Graphic
- Paraprofessional views the videos [How to Conduct the Ling Sound Test](#) and views [Ling Sounds](#)
- Paraprofessional downloads the CID [The Ling Six Sounds plus silence](#) handout
- Paraprofessional begins the designated Personalized Lessons.
 - If the learner utilizes an osseointegrated implant or bone anchored hearing aid (BAHA), there is not a personalized lesson for this amplification. The Educational Audiologist will need to provide this information.

Objectives for Hearing Aids Personalized Lessons

- Explain the benefits and limitations of hearing aids
- Identify the parts of a hearing aid
- Explain why it is important to conduct daily listening checks for hearing aids
- Identify who should do a daily listening check of hearing aids
- Explain when a listening check should be done
- Explain what equipment you need to perform a listening check
- Explain how you monitor the components of a hearing aid
- Explain how to do a hearing aid listening check

Facilitation Guide

- Paraprofessional begins Hearing Aids personalized lesson.
- Paraprofessional learns about hearing aids.
- Paraprofessional completes Quiz – Label the Parts of a Hearing Aid
- Paraprofessional learns about a Hearing Aid Check and Monitoring the Hearing Aid Components
 - Educational Audiologist - ensure Para has an Amplification Monitoring form
 - And the related tool(s) for the listening check and the tool to open the safety locked door (if needed).
- Paraprofessional views [How to Conduct the Ling Sound Test](#)

Note: The paraprofessional will be able to move on to the next section without waiting for a confirmation email. However, it is still important to schedule a face-to-face meeting with the Course Guide to discuss ongoing learning.

- If the learner does not use a cochlear implant and/or HAT, the paraprofessional meets with the TDHH or Educational Audiologist to discuss hearing aids.
- If the learner uses a cochlear implant and/or HAT, Paraprofessional moves on to the next personalized lesson(s).

Objectives for Cochlear Implants Personalized Lessons

- Explain the benefits and limitations of cochlear implants
- Identify the parts of a cochlear implant
- Explain why it is important to conduct daily listening checks on a cochlear implant
- Identify who should do a daily listening check of cochlear implant
- Explain when a listening check should be done
- Explain what equipment you need to perform a listening check
- Explain how you monitor the components of a cochlear implant
- Explain how to do a cochlear implant listening check

Facilitation Guide

- Paraprofessional begins the Cochlear Implant personalized lesson.
- Paraprofessional learns about Cochlear Implants.
- Paraprofessional contacts TDHH or Educational Audiologist to get information about the specific type of cochlear implant – company and external model user guide- the learner uses.
- Paraprofessional completes Quiz – Label the Parts of a Cochlear Implant
- Paraprofessional views the video [How Does a Cochlear Implant Work](#)
- Paraprofessional learns about a Cochlear Implant Check and Monitoring the Cochlear Implant
 - Educational Audiologist - ensure Para has an Amplification Monitoring form
 - Paraprofessional needs the related tool(s) for the listening check
- Paraprofessional views the video [How to Conduct the Ling Sound Test](#)
- Paraprofessional learns about troubleshooting Cochlear Implant

Note: Paraprofessional will be able to move on to the next section without waiting for a confirmation email. However, it is still important to schedule a face-to-face meeting with the Course Guide to discuss ongoing learning.

- If the learner does not use HAT, the paraprofessional meets with the TDHH or Educational Audiologist to discuss hearing aids and/or cochlear implants.
- If the learner uses a HAT, Paraprofessional moves on to the next personalized lesson(s).

Objectives for HAT Personalized Lessons

- **Identify what HAT is and when HAT is used**
- **Identify the parts of HAT**
- **Explain why it is important to conduct daily listening checks on a HAT**
- **Identify who should do a daily listening check of HAT**
- **Explain when a listening check should be done**
- **Explain what equipment you need to perform a listening check**
- **Explain how you monitor the components of a HAT**
- **Explain how to do a HAT listening check**

Facilitation Guide

- Paraprofessional begins Hearing Assistive Technology (HAT) personalized lesson.
- Paraprofessional learns about HAT system.
- Paraprofessional views the video [Hearing Loss in the Classroom](#)
- Paraprofessional learns about the Types of FM Systems and Parts of the FM System
- Paraprofessional views the video [Phonak Roger Inspiro](#)
- Paraprofessional takes Quiz – Identify the Parts of the Transmitter
- Paraprofessional learns about the FM vs Roger Systems
- Paraprofessional learns about examples of HAT Systems
- Paraprofessional takes Quiz - Identify three settings that require the use of HAT
- Paraprofessional learns about the HAT Listening Check
- Paraprofessional learns about Troubleshooting HAT

Assignment(s) - End of Section

Here is your assignment for this section. As part of your face to face discussion with the Educational Audiologist who serves the learner, be ready to do the following:

- Using the learner's audiogram, draw the right and left ear responses on the Speech Banana Audiogram.
- Attach the information received from the educational audiologist regarding the type and degree of hearing loss
- Take a picture of the learner's personal amplification device(s).
- Identify the Ling Sounds utilized during a listening check
- Attach the instructions for conducting a listening check
- Identify the Amplification Monitoring tool(s) utilized

If your learner utilizes a HAT system, continue with the following activities:

- Take a picture of the learner's HAT system (receiver and transmitter).
- Label the parts of the HAT transmitter: microphone, on/off switch, connect/sync button, charge port, auxiliary port.
- Demonstrate how to connect the receiver with the transmitter.
- Demonstrate how to attach the transmitter to the computer.
- Demonstrate how to charge the HAT system

Prior to the Paraprofessional beginning the next session, the Course Guide should provide the Paraprofessional with the following:

- Chapter 1 [Potential Impact of a Hearing Loss](#) in the book *Facilitating the Transition of Students Who Are Deaf or Hard of Hearing*
- Pyramid - [Potential Impact of a Hearing Loss](#)

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