Practice Exercise #3

First, view **Pure Tone Video Tutorial Modules 8 – 9**.

Next, follow the ***Pure Tone Screening Skills Checklist*** found at the end of this handout as you screen at least 5 children, varying in age, who are in same age range as children you will be screening in your program. It is strongly recommended that you have a pediatric audiologist or an experienced Pure Tone screener guide you through this practice. Consider starting your practice session with slightly older children as it is often easier to elicit their cooperation. It is always a good idea to screen cooperative children first because they will set the mood for other children who may be watching. Remember that the Self-Listening Check must also be done first to ensure equipment is working properly.

Keep in mind that the Conditioning processes must precede the actual screening for each child and that you may continue with the screening only if the child has been successfully conditioned. Use the forms below to record the results for each child as you are conducting the screening. Determine whether the "pass" criteria has been met for each ear and whether the child passed the overall screening. (Remember that the child must have 2 responses, at every frequency, on both ears, to pass the screening.)

Record the results for each ear of each child you screen:

Child 1

- **Conduct Visual Inspection** (consult HCP/obtain medical clearance when necessary)
- **Condition** child to respond to tones at 60 and 40 dB levels
- **Screen** (Right Ear first, then Left Ear)

Child's Left Ear	Child's Right Ear
Conditioned response check 2000 Hz (60 dB) ____	**Conditioned response check** 2000 Hz (60 dB) ____
(20 dB) Screening	**(20 dB) Screening**
2000 Hz ____ ____ ____ ____	2000 Hz ____ ____ ____ ____
4000 Hz ____ ____ ____ ____	4000 Hz ____ ____ ____ ____
1000 Hz ____ ____ ____ ____	1000 Hz ____ ____ ____ ____
Overall Ear Result: ☐ Pass ☐ Not Pass	**Overall Ear Result:** ☐ Pass ☐ Not Pass

For each tone presented, document:
✓ ***Response*** *or*
– ***Non-response***
Maximum of 4 presentations per Hz level; 2 responses = Hz pass

2 responses** at **each Hz level** required for **Overall Ear Pass

Child 2

- **Conduct Visual Inspection** (consult HCP/obtain medical clearance when necessary)
- **Condition** child to respond to tones at 60 and 40 dB levels
- **Screen** (Right Ear first, then Left Ear)

Child's Left Ear	Child's Right Ear
Conditioned response check 2000 Hz (60 dB) ____	**Conditioned response check** 2000 Hz (60 dB) ____
(20 dB) Screening	**(20 dB) Screening**
2000 Hz ____ ____ ____ ____	2000 Hz ____ ____ ____ ____
4000 Hz ____ ____ ____ ____	4000 Hz ____ ____ ____ ____
1000 Hz ____ ____ ____ ____	1000 Hz ____ ____ ____ ____
Overall Ear Result: ☐ Pass ☐ Not Pass	**Overall Ear Result:** ☐ Pass ☐ Not Pass

For each tone presented, document:
✓ ***Response*** *or*
– ***Non-response***
Maximum of 4 presentations per Hz level; 2 responses = Hz pass

2 responses** at **each Hz level** required for **Overall Ear Pass

Child 3

- **Conduct Visual Inspection** (consult HCP/obtain medical clearance when necessary)
- **Condition** child to respond to tones at 60 and 40 dB levels
- **Screen** (Right Ear first, then Left Ear)

Child's Left Ear	Child's Right Ear
Conditioned response check 2000 Hz (60 dB) ____	**Conditioned response check** 2000 Hz (60 dB) ____
(20 dB) Screening	**(20 dB) Screening**
2000 Hz ____ ____ ____ ____	2000 Hz ____ ____ ____ ____
4000 Hz ____ ____ ____ ____	4000 Hz ____ ____ ____ ____
1000 Hz ____ ____ ____ ____	1000 Hz ____ ____ ____ ____
Overall Ear Result: ☐ Pass ☐ Not Pass	**Overall Ear Result:** ☐ Pass ☐ Not Pass

For each tone presented, document:
✓ ***Response*** *or*
– ***Non-response***
Maximum of 4 presentations per Hz level; 2 responses = Hz pass

2 responses** at **each Hz level** required for **Overall Ear Pass

Child 4

- **Conduct Visual Inspection** (consult HCP/obtain medical clearance when necessary)
- **Condition** child to respond to tones at 60 and 40 dB levels
- **Screen** (Right Ear first, then Left Ear)

Child's Left Ear	Child's Right Ear
Conditioned response check 2000 Hz (60 dB) ____	**Conditioned response check** 2000 Hz (60 dB) ____
(20 dB) Screening	**(20 dB) Screening**
2000 Hz ____ ____ ____ ____	2000 Hz ____ ____ ____ ____
4000 Hz ____ ____ ____ ____	4000 Hz ____ ____ ____ ____
1000 Hz ____ ____ ____ ____	1000 Hz ____ ____ ____ ____
Overall Ear Result: ☐ Pass ☐ Not Pass	**Overall Ear Result:** ☐ Pass ☐ Not Pass

For each tone presented, document:
✓ ***Response*** *or*
– ***Non-response***
Maximum of 4 presentations per Hz level; 2 responses = Hz pass

2 responses** at **each Hz level** required for **Overall Ear Pass

Child 5

- ♦ **Conduct Visual Inspection** (consult HCP/obtain medical clearance when necessary)
- ♦ **Condition** child to respond to tones at 60 and 40 dB levels
- ♦ **Screen** (Right Ear first, then Left Ear)

Child's Left Ear	Child's Right Ear
Conditioned response check	**Conditioned response check**
2000 Hz (60 dB) ____	**2000 Hz (60 dB) ____**
(20 dB) Screening	**(20 dB) Screening**
2000 Hz ____ ____ ____ ____	**2000 Hz** ____ ____ ____ ____
4000 Hz ____ ____ ____ ____	**4000 Hz** ____ ____ ____ ____
1000 Hz ____ ____ ____ ____	**1000 Hz** ____ ____ ____ ____
Overall Ear Result: ☐ **Pass**	**Overall Ear Result:** ☐ **Pass**
☐ **Not Pass**	☐ **Not Pass**

For each tone presented, document:

✓ ***Response*** *or*

– ***Non-response***

Maximum of 4 presentations per Hz level; 2 responses = Hz pass

2 responses** at **each Hz level** required for **Overall Ear Pass

Pure Tone Screening Skills Checklist

✓ Set-up

_____Appropriate, quiet environment selected.
_____Sound-level check completed to ensure noise level under 50 dB.
_____Documentation forms, pen, screening toys, and supplies to comply with universal precautions policy placed within easy reach.
_____Equipment and seating arranged so child will not view screener's hands directly, or via reflective surfaces, during screening.
_____Condition of cords, jacks, and headphones inspected during equipment assembly.
_____Headphones cleaned prior to Self-Listening Check and each child's screening process.

✓ Self-Listening Check of Equipment

Headphones placed over screener's ears and tone intensity set to 10 – 20 dB:
___Tone type set to pulse, warble, or frequency modulated and tones presented to Right ear while clarity of sound checked at 2000, 1000 and 4000 Hz. Sequence repeated for Left ear.
___Tone type set to steady state, tone presented continuously to Right ear while cords moved/manipulated to check for sound break, crackle or distortions. Repeated for Left ear.

✓ Child Preparation and Appraisal

_____Outer ear and ear canal inspected visually.
_____As playful, positive rapport established with child, appraisal made of developmental level to determine how to initiate Conditioning (with/without headphones, use of toys, etc.)
_____Individual(s) in the room instructed to minimize noise/distraction.

✓ Conditioning

_____Facing child, clear explanation provided throughout process.
_____Clean headphones placed snugly (Right ear/red, Left ear/blue).
_____Audiometer set to Right ear, 2000 Hz, 60 dB level--tone presented while child's hand manipulated to make desired response—sequence repeated until child understands "game."
_____Tone presented with child making desired response without assistance—sequence repeated at 60 dB, then 40 dB, varying time between presentations to assess reliability of responses.
_____Determination made of whether child can complete Pure Tone screening or is unable to respond consistently and will require an OAE screening instead.

✓ Screening and Documentation

_____Child repositioned so he/she cannot see screener.

Right ear:

_____Audiometer set to Right ear, 2000 Hz, reminder reference tone provided at 60 dB to check that child is attentive/responsive.
_____Audiometer set to 2000 Hz, 20 dB screening tones presented.
_____Audiometer set to 4000 Hz, 20 dB screening tones presented.
_____Audiometer set to 1000 Hz, 20 dB screening tones presented.

Left ear:

_____ Audiometer set to Left ear, 2000Hz, reminder reference tone provided at 60 dB to check that child is attentive/responsive.
_____Audiometer set to 2000 Hz, 20 dB screening tones presented.
_____Audiometer set to 4000 Hz, 20 dB screening tones presented.
_____Audiometer set to 1000 Hz, 20 dB screening tones presented.

_____Overall Right and Left ear results documented.
_____Overall outcome determined and follow-up step(s) identified.
_____Child rewarded for participation regardless of outcome.

Maximum of 4 presentations per Hz level;
2 responses = Hz pass

Responses documented on **Screening Form**:
✓ ***Response*** *or*
– ***Non-response***

2 ✓ Responses at **each Hz level** required for ***Overall Ear Pass***

If either ear does ***Not Pass*** **follow-up required**