Lesson plan for the patient with a new hearing aid

Week	or the patient with a new hearing aid Games	Voices	Comments/Notes
1	* pEARI Crunch, in quiet * EARonaut, in quiet	Male Male	
2	* ShakespEARe * pEARI Crunch, in light noise	Male Female	
3	* EARonaut, in light noise * MountainEAR	Female Male	
4	* MountainEAR * FarmEAR in the Dell	Female Male	
5	* FarmEAR in the Dell * Treasure EARland	Female Male	
6	* Treasure EARland * pEARl Crunch, in moderate noise	Female All types	
7	* EARonaut, in moderate noise * ShakespEARe	All types All types	
8	* MountainEAR * FarmEAR in the Dell	Child Child	
9	* Treasure EARland * EARonaut, in high noise	Child All types	
10	* pEARI Crunch, in high noise * MountainEAR	All types All types	
11	* FarmEAR in the Dell * Treasure EARland	All types All types	
12	* pEARI Crunch, in high noise * Patient's choice	All types Patient's choice	

	Goals	Tips
Week 1	Play pEARI Crunch at least 10 minutes twice this week with a male talker in quiet.	"pEARI Crunch forces you to pay attention to those endings of words that add subtle meaning, such as the plural "s" on a word such as <i>boys</i> or the negative "n't" in a word such as <i>can't</i> . These endings are often hard to hear and easy to ignore."
		"During every day listening, we tend to listen for the 'meat' of the word and not subtle nuances. For instance, we often do not distinguish between the word <i>smile</i> and <i>smiles</i> . pEARI Crunch forces you to pay attention to word endings. Think about it: There's a big difference between the sentence, "I can pick you up from the airport" and "I can't pick you up from the airport."
	Play EARonaut at least 10 minutes twice this week with a male talker in quiet.	"Try playing a few rounds of EARonaut, first with your hearing aids turned on and then with your hearing aids turned off. You will likely find that you are much more relaxed and confident when you are playing with your hearing aids turned on. Hearing aids can reduce the 'mental effort' associated with listening with a hearing loss."
		"Especially early in your training, it is easier if you try and remember where 3 or 4 pictures are when they are presented on the screen instead of attempting to memorize all of them."
Week 2	Play ShakespEARe at least 10 minutes twice this week with a male talker.	"This game may help develop your ability to remember the details of a story. ShakespEARe exercises your 'auditory memory', which is the brain's ability to hold in memory words and sentences that you have recently heard."
		"Try playing a few rounds of ShakespEARe with your hearing aids turned on and then play a few rounds with your hearing aids turned off. You will likely find that you do much better with your hearing aids turned on. There are two reasons for the better performance: 1) You are hearing more of the words so you can better select the sentences in the correct order and 2) you

		are using less 'perceptual effort' to recognize the words. As a result, your brain can concentrate more deeply on remembering the paragraph.
	Play pEARI Crunch at least 10 minutes twice this week with a female talker in light noise.	"You can determine what is "light noise". Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting four pearls for every necklace. Do not move the bar again but train at this noise level."
		"Try to ignore the noise and pay attention to which picture matches the word you've just heard. This activity will develop your 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."
		"Female voices are often harder to hear than male voices. Many times a new hearing aid will make female voices easier and more pleasant to hear. Try playing a few rounds with your hearing aids turned off and then play a few rounds with your hearing aids turned on. Do you notice a qualitative difference in how the voices sound?"
Week 3	Play EARonaut at least 10 minutes twice this week with a female talker in light noise.	"Female voices are particularly difficult to hear in background noise, even when you have optimally-fitted hearing aids. Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds of the game, gradually increase the level of background noise and try to determine the maximum amount of noise that can be present during the game and yet allow you still to hear the female voice. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
	Play MountainEAR about 10 minutes twice this week with a male talker.	"This game may help you to recognize words quickly, which is important when you are listening to connected speech. The typical talker of English speaks between

110 and 150 words per minute. This means that you must have good 'auditory processing speed' to understand speech, which is the brain's ability to quickly process the meaning of words." "This game may help you to listen more effectively in the presence of background noise because it forces you to pay attention to the target word and ignore competing speech." "If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you perform, the more noise is introduced into the training task. The game is programmed to add more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers." Week 4 Play MountainEAR at least 10 minutes "Listening to talkers in a noisy environment twice this week with a female talker. can take some adjusting when you have a new hearing aid. You might find that you are more aware of background sounds and that you are hearing some sounds that you had not noticed before. cIEAR auditory training will accelerate the adjustment phase." "Hearing aids can help you to recognize words faster because your brain can allocate more mental resources to understanding the meaning of the word as opposed to simply trying to figure out what word your ears just heard. Try playing a few rounds with your hearing aid turned on and then play a few rounds with your hearing aids turned off. Do you notice a difference in your speed of responding?" "If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to add more noise after you make consecutive correct answers and to subtract noise after you make consecutive incorrect answers."

	Play FarmEAR in the Dell at least 10 minutes twice this week with a male talker.	"clEAR teaches you to recognize common words that occur frequently in everyday conversation. Over time, this kind of training will make listening easier for you."  "If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to add more noise after you make consecutive correct answers and to subtract noise after you make consecutive incorrect answers."
Week 5	Play FarmEAR in the Dell at least 10 minutes twice this week with a female talker.	"You may find that some of the pictures are a little ambiguous and that it takes some thought to match the word that you hear with the pictures that you see. This ambiguity is intentional. Research has shown that when listening tasks which force the brain to focus on meaning and it requires the brain to think of different possibilities, learning occurs more quickly."
	Play Treasure EARland at least 10 minutes twice this week with a male talker.	"Hearing aids often improve people's confidence in their listening skills. Try playing a few rounds of the game with your hearing aids turned on and then play a few rounds with your hearing aids turned off. Do you notice a difference in how confident you feel about your responses? Do you bet more coins when the hearing aids are turned on?"
		"One purpose of Treasure EARland is to increase your confidence in your ability to recognize words. Research has shown that when you doubt your ability to hear words correctly, you actually don't hear them as well as when you have high confidence in your ability. The mind becomes distracted by the doubt."
Week 6	Play Treasure EARland at least 10 minutes twice this week with a female talker.	"This game may help you learn to recognize common, everyday words more easily. This is important because during everyday conversations, we tend to speak and hear many of the same words over and over again. For example during a typical day, you are likely to hear someone say the

words girl, boy, table, and chair. These are all examples of 'frequently spoken words'." "Female voices are often harder to hear than male voices. Many times a new hearing aid will make female voices easier to understand and more pleasant to hear. Try playing a few rounds with your hearing aids turned off and then play a few rounds with your hearing aids turned on. Do you notice a qualitative difference in how the voices sound when listening with the aids versus without the aids? "Try playing a few rounds of the game with Play pEARI Crunch at least 10 minutes twice this week with all types of talkers in your hearing aids turned off and then a few moderate noise. rounds with your hearing aids turned on. You will likely find that the different talkers are much more distracting to your performance when your hearing aids are turned off than when they are turned on. One advantage of using hearing aids is that they allow you to better acclimate to the speech of 'multiple talkers'." "Even though listening to all types of talkers is more difficult than listening to a single type of talker, such as a male voice, research has shown that training with all types mixed together leads to faster learning and to better generalization into everyday listening than does training with a single talker type." "You can determine what is "moderate noise". Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting between three and four pearls for every necklace. Do not move the bar again but train at this noise level." "You can determine what is 'moderate' Week 7 Play EARonaut at least 10 minutes twice this week with all types of talkers in noise. Start by setting the noise bar to its moderate noise. midway setting. If this makes it too difficult to hear the words, decrease the noise where you can hear the talkers, but you are still aware of noise. If in the midway setting, you can still easily hear the talkers,

		adjust the noise to be louder. During this process, you will not only exercise your 'auditory attention', or the brain's ability to focus on a single speech stimulus, but you will also develop an awareness of the levels of noise that you can tolerate. This awareness will be helpful when you have to assess whether you will have to make accomodations for a particular setting, such as asking for a quiet section of a noisy restaurant."
	Play ShakespEARe at least 10 minutes twice this week with all types of talkers.	"Try to ignore the sound of the talkers' voices and to focus on the meaning of the sentences that they are speaking. This will develop your ability to understand spoken stories."
		"At first you may have a hard time remembering which sentence came first, second, third, fourth and fifth. Try to get at least three sentences in the correct order for each paragraph."
Week 8	Play MountainEAR at least 10 minutes twice this week with a child talker.	"The voices of children are typically more difficult to understand than those of adults, especially for people who have hearing loss. This is because children's voices have a high pitch and people with hearing loss often lose their ability to hear high pitches. In addition, some children do not enunciate their words as clearly as adults do, so they might sound as if they are mumbling."
	Play FarmEAR in the Dell at least 10 minutes twice this week with a child talker.	"Background noise will make children's voices especially difficult to understand. This is because children tend to talk more softly than adults and because noise is especially detrimental to high pitched voices."
		"Children's voices are often the most difficult types of voices to hear. Try playing a few rounds of the game with your hearing aids turned on and then play a few rounds with them turned off. Do you notice a difference in how the voices sound?"
Week 9	Play Treasure EARland at least 10 minutes	"This game is difficult, especially when

		to how confident you feel in your responses as you play this game with children's voices."  "Even though this game is designed to develop your phoneme discrimination, which is your ability to decide whether two sounds are the same or different, it is also developing your ability to focus on the meaning of words and developing your sense of self-confidence in your listening abilities."
	Play EARonaut at least 10 minutes twice this week with all types of talker in varying noise.	"Try first playing the game with your hearing aids turned off. See how much noise you can tolerate and still feel as if you are performing well. Next, try playing the game with your hearing aids turned on. Are you able to tolerate more noise and still feel that you are performing as best you possibly can?"
Week 10	Play pEARI Crunch at least 10 minutes twice this week with all types of talkers in varying noise.	"Try first playing the game with your hearing aids turned off. See how much noise you can tolerate and still feel as if you are performing well. Next, try playing the game with your hearing aids turned on. Are you able to tolerate more noise and still feel that you are performing as best you can?"  "If you feel that the training is getting too hard, go ahead and turn down the noise with the noise bar. If you feel that the training is getting too easy, turn up the noise."
	Play MountainEAR at least 10 minutes twice this week with all types of talkers.	"You may not realize it, but you will likely be just a little bit slower in playing this game now that you are playing with many types of voices. The reason for this is that when you listen to multiple talker types, the brain has to use more 'mental effort' to process the meaning of words than when you listen to the same talker type speak the words. As a result of increased mental effort, the brain has to take more time to

		process meaning, and this will slow down your response time."
Week 11	Play FarmEAR in the Dell at least 10 minutes twice this week with all types of talkers.	"Training with all types of talkers is the most difficult training task. However, research shows that training with a mix of talker types is most effective in training the brain to recognize common, everyday words."
	Play Treasure EARland at least 10 minutes twice this week with all types of talkers.	"Playing with all types of talkers is more effortful than playing with a single type of talker. Try playing a few rounds with your hearing aids turned off and then play a few rounds with your hearing aids turned on. Do you feel more relaxed when you are playing with your hearing aids turned on? One goal of Treasure EARland is to reduce the amount of mental effort you need to recognize speech."
Week 12	Play pEARI Crunch at least 10 minutes twice this week with all types of talkers in high noise.	"You can determine what is "high noise". Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting only two or three pearls for every necklace. Do not move the bar again but train at this noise level."
		"When background noise is present, often the first thing a person with hearing loss will notice is that word endings seem to 'disappear'." pEARI Crunch is designed to focus your attention specifically on these word endings and let you experiment with how your ears and brain respond to the presence of background noise."
		"Even with hearing aids, listening in noise may always be difficult. However, do you feel like you have become better at listening in noise during the past twelve weeks?"
	Your choice of game, at least 10 minutes twice this week.	

## Lesson plan for the patient who complains of listening in noise

Week	Games	Voices	Comments/Notes
1	* pEARI Crunch, in quiet, then moderate, then high noise * EARonaut, in quiet, then	Male	
	moderate, then high noise	Male	
2	* pEARI Crunch, in quiet, then moderate, then high noise	Female	
	* EARonaut, in quiet, then moderate, then high noise	Female	
3	* MountainEAR * MountainEAR	Male Female	
4	* pEARI Crunch, in quiet, then moderate, then high noise	Child	
4	* EARonaut, in quiet, then moderate, then high noise	Child	
5	* MountainEAR	Child	
	* MountainEAR	All types	
6	* FarmEAR in the Dell * Treasure EARland	Male Male	
	Treasure EARIANU	IVIAIE	
7	* FarmEAR in the Dell * Treasure EARland	Female Female	
8	* FarmEAR in the Dell * Treasure EARland	Child Child	
		Orma	
9	* pEARI Crunch, in quiet, then moderate, then high noise	All types	
	* EARonaut, in quiet, then moderate, then high noise	All types	
10	* FarmEAR in the Dell	All types	
	* Treasure EARland	All types	
11	* pEARI Crunch, in high noise	All types	
	* EARonaut, in high noise	All types	
12	* FarmEAR in the Dell	All types	
	* Treasure EARland	All types	

	Goals	Tips
Week 1	Play pEARI Crunch for at least 10 minutes twice this week with a male talker in quiet, in moderate noise and then in high noise. You can determine what is "moderate" and "high" noise for you by experimenting with the setting of the noise bar at the bottom of the screen.	"pEARI Crunch forces you to pay attention to those endings of words that add subtle meaning, such as the plural "s" in the word boys or the negative "n't" in the word can't. These endings are often hard to hear and easy to ignore."  "During every day listening, we tend to listen for the 'meat' of the word and not for subtle nuances. For instance, we often do not distinguish between the word smile and smiles. pEARI Crunch forces you to pay attention to word endings. Think about it: There's a big difference between the sentences, "I can pick you up from the airport" and "I can't pick you up from the airport."
	Play EARonaut for at least 10 minutes twice this week with a male talker in quiet, in moderate and then in high noise. You can determine what is "moderate" and "high" noise for you by experimenting with the setting of the noise bar at the bottom of the screen.	"You will likely find that you are much more relaxed and confident when you are playing the game in quiet than when you are playing the game in high noise. When a person with hearing loss spends time listening in a noisy room, the person must expand an increased amount of 'mental effort' to understand the meaning of words than when listening in a quiet room. The reason why you may sometimes feel exhausted after having had to listen in a noisy room is that you have been forced to expend an inordinate amount of mental effort to understand what people were saying."  "Playing EARonaut develops your auditory memory, which is your ability to keep
Week 2	Play pEARI Crunch for at least 10 minutes twice this week with a female talker in quiet, in moderate noise and then in high noise.	"Playing pEARI Crunch in increasing amounts of noise will develop your 'auditory attention', which is your brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."  "When background noise is present, often the first thing a person with hearing loss will notice is that word endings seem to 'disappear'." pEARI Crunch is designed to focus your attention specifically on these

word endings and let you experiment with how your ears and brain respond to the presence of background noise." Play EARonaut for at least 10 minutes twice "Female voices are often harder to hear this week with a female talker in quiet, in than male voices. Many times the moderate and then in high noise. You can presence of background noise will make determine what is "moderate" and "high" female voices even harder to hear and to noise for you by experimenting with the understand. This is because women tend setting of the noise bar at the bottom of to have voices that are higher in pitch than the screen. those of men, and noise is especially detrimental to hearing the high pitches. When you have finished training with the female voices, you might want to play one more time, but with the male voices. You will likely find that you are able to increase the level of noise for your perceived 'moderate' and 'high' levels of noise." Week 3 Play MountainEAR about 10 minutes twice "MountainEAR may help you learn to this week with a male talker. recognize common, everyday words more easily. This is important because during everyday conversations, we tend to speak and hear many of the same words over and over again. For example during a typical day, you are likely to hear someone say the words *girl*, *boy*, *table*, and *chair*. These are all examples of 'frequently spoken words'." "If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to add more noise after you make consecutive correct answers and to subtract noise after you make consecutive incorrect answers." Play MountainEAR about 10 minutes twice "MountainEAR may teach you to recognize this week with a female talker. words more quickly, which is important when you are listening to connected speech. The typical talker of English speaks between 110 and 150 words per minute. This means that you must have good 'auditory processing speed' to understand speech, which is the brain's ability to quickly process the meaning of words."

		"You may find that listening to female voices requires more 'mental effort' than listening to male voices, especially when there is background noise present. This means that you have to exert more energy to simply recognize a word. This is because noise tends to wipe out, or 'mask', high-pitched sounds more so than low-pitched sounds. Because women tend to speak in a higher pitched voice than do men, noise is especially detrimental for listening to their speech."
Week 4	Play pEARI Crunch for at least 10 minutes twice this week with a child talker type in quiet, in moderate noise and then in high noise. You can determine what is "moderate" and "high" noise for you by experimenting with the setting of the noise bar at the bottom of the screen.	"Children's voices are often harder to hear than male voices. Many times the presence of background noise will make children's voices even harder to hear and to understand. This is because children tend to have voices that are higher in pitch than those of men, and noise is especially detrimental to hearing the high pitches. When you have finished training with the child voices, you might play one more time, but with the male voices. You will likely find that you are able to increase the level of noise for your perceived 'moderate' and 'high' levels of noise."
	Play EARonaut for at least 10 minutes twice this week with a child talker in quiet, in moderate and then in high noise. You can determine what is "moderate" and "high" noise for you by experimenting with the setting of the noise bar at the bottom of the screen.	"Children often do not enunciate their words as clearly as do adults because they have more immature control of their articulators. When you have finished training with the child voices, you might play one more time, but with the female voices. You will likely find that you are able to increase the level of noise for your perceived 'moderate' and 'high' levels of noise when listening to the female voices as compared to when listening to the child's voices."
Week 5	Play MountainEAR at least 10 minutes twice this week with a child talker.	"This game may help you listen more effectively in the presence of background noise because it forces you to pay attention to the target word and ignore competing speech."  "Try to ignore the background noise and pay attention to which picture matches the word you've just heard. This activity will develop 'auditory attention', which is the brain's ability to focus on one auditory

		stimulus and ignore other auditory stimuli that are irrelevant and distracting."  "Background noise will make children's voices especially difficult to understand. This is because children tend to talk more softly than adults and because noise is especially detrimental to high pitched voices."
	Play MountainEAR at least 10 minutes twice this week with all types of talkers.	"You may not realize it, but you will likely be just a little bit slower in playing MountainEAR now that you are playing with many types of voices. The reason for this is that when you listen to multiple talker types, the brain has to use more 'mental effort' to process the meaning of words than when you listen to only males or only females speak the words. As a result of increased mental effort, the brain has to take more time to process meaning, and this will slow down your response time."  "Sometimes you might be confused and not be able to decide which picture matches."
		be able to decide which picture matches the word that you just heard. This is okay. This game will require that you make quick decisions about what you heard and sometimes this is hard to do."
Week 6	Play FarmEAR in the Dell at least 10 minutes twice this week with a male talker.	"You may find that some of the pictures are a little ambiguous and that it takes some thought to match the word that you hear with the pictures that you see. This ambiguity is intentional. Research has shown that when listening tasks force the brain to focus on meaning and consider different possibilities, learning occurs more quickly."
		"You are learning to recognize common words that occur frequently in everyday conversation. Over time, this kind of training will make listening easier for you."
		"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is

		programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
	Play Treasure EARland at least 10 minutes twice this week with a male talker.	"One purpose of Treasure EARland is to increase your confidence in your abilities to recognize words. Research has shown that when you doubt your ability to hear words correctly, you actually don't hear them as well as when you have high confidence in your ability. The mind becomes distracted by the doubt."
Week 7	Play FarmEAR in the Dell at least 10 minutes twice this week with a female talker.	"As you play FarmEAR in the Dell, the noise in the background will gradually get louder. Try to ignore the noise and pay attention only to the word that names one of the four pictures. This game will also develop your auditory attention."
		"Once you hear a word, try to pick the corresponding picture as quickly as you can. This will help you learn how to recognize words when people speak quickly and will develop your auditory processing speed."
	Play Treasure EARland at least 10 minutes twice this week with a female talker.	"Even though Treasure EARland is designed to develop your phoneme discrimination, which is your ability to decide whether two sounds are the same or different, it is also developing your ability to focus on the meaning of words and developing your sense of self-confidence in your listening abilities."
Week 8	Play FarmEAR in the Dell at least 10 minutes twice this week with a child talker.	"Sometimes the pictures in FarmEAR in the Dell may be a little confusing. This is okay. The goal is to make you think very hard about the meaning of the words."
	Play Treasure EARland at least 10 minutes twice this week with a child talker.	"The noise will get louder as you learn how to pay more attention to hearing the words and learn to discriminate between words that sound similar. More noise is a good sign, not a bad sign."

Week 9	Play pEARI Crunch for at least 10 minutes twice this week with all types of talkers in quiet, in moderate noise and then in high noise.	"Even though listening to all types of talkers is more difficult than listening to all male voices or to all female voices, research has shown that training with all types of talker voices mixed together leads to faster learning and to better generalization to everyday listening than does training with a single-talker type."
	Play EARonaut for at least 10 minutes twice this week with all types of talkers in light, moderate, and high levels of noise.	"Focus on what is 'moderate' noise for you. Start by setting the noise bar to its midway setting. If this makes it too difficult to hear the words, decrease the noise where you can hear the talkers, but you are still aware of noise. If in the midway setting, you can still easily hear the talkers, adjust the noise to be louder. During this process, you will not only exercise your 'auditory attention', or the brain's ability to focus on a single speech stimulus, but you will also develop an awareness of the levels of noise that you can tolerate. This awareness will be helpful when you have to assess whether you will have to make accomodations for a particular setting, such as asking for a quiet section of a noisy restaurant."
Week 10	Play FarmEAR in the Dell at least 10 minutes twice this week with all types of talkers.	"Training with all types of talkers is the most difficult training task. However, research shows that training with "multiple talkers" is most effective in training the brain to recognize common, everyday words"  "If the noise seems to be getting louder,
		that means that you are actually getting better at listening in noise because the better you do, the harder it gets to identify the words."
	Play Treasure EARland at least 10 minutes twice this week with all types of talkers.	"A common complaint the people with hearing loss have when they are forced to listen in the presence of background noise is, I can hear the talker but I can't understand the words she is saying. The speech may sound mumbled and unclear because noise tends to wipe out, or 'mask', those high-pitched consonants, such as the "s", "f", "sh", "t", and "p" sounds. Imagine if you had to read text that had only the vowel letters and none of the consonant

letters. For some people with hearing loss,

		this is analogous to listening in noisethey hear the vowel sounds but not the consonant sounds."
Week 11	Play pEARI Crunch at least 10 minutes twice this week with all types of talkers in high noise.	"Start with a softer level of noise. Once you get a pEARI necklace fully "correct" (i.e., you make five right answers in a row with the same necklace), bump up the noise. Then, again, when you get a necklace fully correct, bump up the noise. See how much distance there is between where you first set the noise bar and your "high noise" level, which is the point on the noise bar where you reached a plateau in the level of noise you were able to tolerate before you started making incorrect responses."
	Play EARonaut at least 10 minutes twice this week with all types of talkers in high noise.	"Start with a softer level of noise. With every other set of new planets, bump up the noise level by an amount of your choosing. After you play for 10 minutes, see how much distance there is between where you first set the noise bar and your "high noise" level, which is the point on the noise bar where you reached a plateau in the level of noise you were able to tolerate."
Week 12	Play FarmEAR in the Dell at least 10 minutes twice this week with all types of talkers.	"Try to ignore the noise and pay attention to which picture matches the word you've just heard. This activity will develop your 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."
	Play Treasure EARland at least 10 minutes twice this week with all types of talkers.	"Even with hearing aids, listening in noise may always be difficult. However, do you feel like you have become better at listening in noise during the past twelve weeks?"

Lesson plan for the patient who has difficulty hearing the voices of women and children

Veek	an for the patient who has difficulty h Games	Voices	Comments/Notes
1	* pEARI Crunch, adjust noise to preference  * EARonaut, in quiet	Male Female	
2	* EARonaut, adjust noise to preference	Male	
	* pEARI Crunch, in quiet	Female	
3	* FarmEAR in the Dell * MountainEAR	Male Female	
4	* Treasure EARland * MountainEAR	Male Female	
5	* ShakespEARe * pEARI Crunch, adjust noise to preference	Female Female	
6	* EARonaut, in high noise * Treasure EARland	Female Female	
7	* MountainEAR * EARonaut, in quiet	Male Child	
8	* Treasure EARland * pEARl Crunch, in quiet	Male Child	
9	* MountainEAR * ShakespEARe	Child Child	
10	* FarmEAR in the Dell * Treasure EARland	Child Child	
11	* pEARI Crunch, in high noise * EARonaut, in high noise	Child Child	
12	Patient's choice Patient's choice	Female Child	

	Goals	Tips
Week 1	Play pEARI Crunch at least 10 minutes twice this week with a male talker with the noise adjusted to your preference	"pEARI Crunch forces you to pay attention to those endings of words that add subtle meaning, such as the plural "s" in a word like boys or the negative "n't" in a word like can't. These endings are often hard to hear and easy to ignore. You are starting with male voices to develop your ability to pay attention to word endings. In later lessons, you will to listen to women's and children's voices."
		"During every day listening, we tend to listen for the 'meat' of the word and not subtle nuances. For instance, we often do not distinguish between the words <i>smile</i> and <i>smiles</i> . This game forces you to pay attention to word endings. Think about it: There's a big difference between, "I can pick you up from the airport" and "I can't pick you up from the airport."
	Play EARonaut at least 10 minutes twice this week with a female talker in quiet. Adjust the noise bar to 0.	"This game is important because it is developing your auditory memory, which is your ability to keep words in your mind as you listen."
		"Female voices are particularly difficult to hear in background noise, even when you have optimal hearing aids. Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you still to hear the female voice speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
Week 2	Play EARonaut at least 10 minutes twice this week with a male talker with the noise adjusted to your preference.	"Try playing the game in both quiet and with noise. You will likely find that you are much more relaxed and confident when you are playing the game in quiet than when you are playing the game in high noise. When a person with hearing loss spends time listening in a noisy room, the person must expand an increased amount of 'mental effort' to understand the

Week 3	Play FarmEAR in the Dell at least 10 minutes twice this week with a male talker.	want to play one more time, but with the male voices. You will likely find that you are able to play the game much faster and with less perceptual effort, or mental energy."  "FarmEAR in the Dell may help you learn to recognize common, everyday words more easily. This is important because during everyday conversations, we tend to speak and hear many of the same words over and over again. For example during a typical day, you are likely to hear someone say the words girl, boy, table, and chair. These are all examples of 'frequently spoken words'."  "You may find that some of the pictures are a little ambiguous and that it takes some thought to match the word that you hear with the pictures that you see. This ambiguity is intentional. Research has shown that when listening tasks which force the brain to focus on meaning and it requires the brain to think of different possibilities, learning occurs more quickly."
		"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."

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	Play MountainEAR about 10 minutes twice this week with a female talker.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
		"MountainEAR teaches you to recognize words quickly, which is important when you are listening to connected speech. The typical talker of English speaks between 110 and 150 words per minute. This means that you must have good 'auditory processing speed' to understand speech, which is the brain's ability to quickly process the meaning of words."
Week 4	Play Treasure EARland at least 10 minutes twice this week with a male talker.	"Treasure EARland may help you listen more effectively in the presence of background noise because it forces you to pay attention to the target word and ignore competing speech."
		"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
	Play MountainEAR at least 10 minutes twice this week with a female talker.	"Sometimes you might be confused and not be able to decide which picture matches the word that you just heard. This is okay. MountainEAR will require that you make quick decisions about what you heard and sometimes this is hard to do."
Week 5	Play ShakespEARe at least 10 minutes twice this week with a female talker.	"ShakespEARe may help develop your ability to remember the details of a story. It exercises your 'auditory memory', which is the brain's ability to hold in memory words and sentences that you have recently heard."

		"At first you may have a hard time remembering which sentence came first, second, third, fourth and fifth. Try to get at least three sentences in the correct order for each paragraph."
	Play pEARI Crunch at least 10 minutes twice this week with a female talker with the noise adjusted to your preference.	"Playing pEARI Crunch in increasing amounts of noise will exercise your 'auditory attention', which is your brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting. As you play, gradually increase the level of noise."
		"When background noise is present, often the first thing a person with hearing loss will notice is that word endings seem to 'disappear'." pEARI Crunch is designed to focus your attention specifically on these word endings and let you experiment with how your ears and brain respond to the presence of background noise."
Week 6	Play EARonaut at least 10 minutes twice this week with a female talker in high noise.	"Start with a softer level of noise. With every other set of new planets, bump up the noise level by an amount of your choosing. After you play for 10 minutes, see how much distance there is between where you first set the noise bar and your "high noise" level, which is the point on the noise bar where you reached a plateau in the level of noise you were able to tolerate."
	Play Treasure EARland at least 10 minutes twice this week with a female talker.	"One purpose of Treasure EARland is to increase your confidence in your abilities to recognize words. Research has shown that when you doubt your ability to hear words correctly, you actually don't hear them as well as when you have high confidence in your ability. The mind becomes distracted by the doubt."
Week 7	Play MountainEAR at least 10 minutes twice this week with a male talker.	MountainEAR requires that you make very quick decisions about the meaning of a word. How quickly you decide is referred to as your 'auditory processing speed.' Most people with hearing loss tend to have

		faster auditory processing speed with male voices than with female or child voices.
	Play EARonaut for at least 10 minutes twice this week with a child talker in quiet.	"Children often do not enunciate their
		words as clearly as do adults because they have more immature control of their articulators. When you have finished training with the child voices, you might play one more time, but with the female voices. You will likely find that you are able to increase the level of noise for your perceived 'high' level of noise when listening to the female voices as compared to when listening to the child's voices."
Week 8	Play Treasure EARland at least 10 minutes twice this week with a male talker.	"Even though this game is designed to develop your phoneme discrimination, which is your ability to decide whether two sounds are the same or different, it is also developing your ability to focus on the meaning of words and developing your sense of self-confidence in your listening abilities."
	Play pEARI Crunch for at least 10 minutes twice this week with a child talker in quiet. Adjust the noise bar to 0.	Children tend to speak more softly than do adults and sometimes the level of their voices become softer at the endings of words. For this reason, their speech is often difficult to understand. pEARI Crunch will exercise your ability to attend to word endings that are spoken by children.
Week 9	Play MountainEAR at least 10 minutes twice this week a child talker.	MountainEAR requires you to decide very quickly whether or not a picture matches the word spoken. The time it takes to make this kind of decision is called 'auditory processing speed.' Research has shown that people with hearing loss tend to have slower auditory processing speed when listening to children than when listening to adults because children's speech is harder to hear. MountainEAR is designed to develop your auditory processing speed.
	Play ShakespEARe at least 10 minutes twice this week with a child talker.	Listening to children's voices can sometimes be difficult because you must concentrate very hard on recognizing each word. This concentration reduces you ability to comprehend the meaning of what

		is being said. ShakespEARe exercises your ability to attend to the meaning of sentences, even when you must use a lot of mental energy to recognize each word the child speaks.
Week 10	Play FarmEAR in the Dell at least 10 minutes twice this week with a child talker.	"You may find that some of the pictures are a little ambiguous and that it takes some thought to match the word that you hear with the pictures that you see. This ambiguity is intentional. Research has shown that when listening tasks which force the brain to focus on meaning and it requires the brain to think of different possibilities, learning occurs more quickly."  "Try to ignore the noise and pay attention
		to which picture matches the word you've just heard. This activity will develop 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."
	Play Treasure EARland at least 10 minutes twice this week with a child talker.	"You are learning to discriminate common words that occur frequently in everyday conversation. Over time, this kind of training will make listening easier for you."  "Background noise will make children's voices especially difficult to discriminate and understand. This is because children tend to talk more softly than adults and because noise is especially detrimental to high pitched voices."
Week 11	Play pEARI Crunch at least 10 minutes twice this week with a child talker in high noise.	"Children's voices are often harder to hear than male voices. Many times the presence of background noise will make children's voices even harder to hear and to understand. This is because children tend to have voices that are higher in pitch than those of men, and noise is especially detrimental to hearing the high pitches. When you have finished training with the child voices, you might play one more time, but with the male voices. You will likely find that you are able to increase the level of noise for your perceived 'high' level of noise."

	Play EARonaut at least 10 minutes twice this week with a child talker in high noise.	"Start with a softer level of noise. With every other set of new planets, bump up the noise level by an amount of your choosing. After you play for 10 minutes, see how much distance there is between where you first set the noise bar and your "high noise" level, which is the point on the noise bar where you reached a plateau in the level of noise you were able to tolerate."
Week 12	Your choice of a game and play at least 10 minutes twice this week with a female talker.  Your choice of a game and play at least 10 minutes twice this week with a child talker.	

Lesson plan for the patient who is not yet ready for hearing aids but desires hearing healthcare

Week	Games	dy for nearing Voices	ng aids but desires hearing healthcare  Comments/Notes
1	* pEARI Crunch, adjust noise to preference * EARonaut, adjust noise to	Male Male	
2	<ul><li>* ShakespEARe</li><li>* MountainEAR</li></ul>	Male Male	
3	* FarmEAR in the Dell * Treasure EARland	Male Male	
4	* pEARI Crunch, adjust noise to preference * EARonaut, adjust noise to preference	Female Female	
5	* ShakespEARe * MountainEAR	Female Female	
6	* FarmEAR in the Dell * Treasure EARland	Female Female	
7	<ul><li>* pEARI Crunch, adjust noise to preference</li><li>* EARonaut, adjust noise to preference</li></ul>	Child Child	
8	* ShakespEARe * MountainEAR	Child Child	
9	* FarmEAR in the Dell * Treasure EARland	Child Child	
10	<ul> <li>* pEARI Crunch, adjust noise to preference</li> <li>* EARonaut, adjust noise to preference</li> </ul>	All types All types	
11	* ShakespEARe * MountainEAR	All types All types	
12	* FarmEAR in the Dell * Treasure EARland	All types All types	

	Goals	Tips
Week 1	Play pEARI Crunch at least 10 minutes twice this week with a male talker with the noise adjusted to your preference.	"pEARI Crunch forces you to pay attention to those endings of words that add subtle meaning, such as the plural "s" in the word boys or the negative "n't" in the word can't. These endings are often hard to hear and easy to ignore."  "Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level."
	Play EARonaut at least 10 minutes twice this week with a male talker with the noise adjusted to your preference.	"Especially early in your training, it is easier if you try and remember where 3 or 4 pictures are when they are presented on the screen instead of attempting to memorize all of them."  "Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you to still hear the male voices speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
Week 2	Play ShakespEARe at least 10 minutes twice this week with a male talker.	"This game may help develop your ability to remember the details of a story. It exercises your 'auditory memory', which is the brain's ability to hold in memory words and sentences that you have recently heard."
	Play MountainEAR about 10 minutes twice this week with a male talker. Listen to the single words in noise and try to increase your coins each round.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."

		"This game is important because it may help you to recognize words quickly, which is important when you are listening to connected speech. The typical talker of English speaks between 110 and 150 words per minute. This means that you must have good 'auditory processing speed' to understand speech, which is the brain's ability to quickly process the meaning of words."
Week 3	Play FarmEAR in the Dell at least 10 minutes twice this week with a male talker. Try to complete 3 rounds in less than 3.5 minutes per round.	"You may find that some of the pictures are a little ambiguous and that it takes some thought to match the word that you hear with the pictures that you see. This ambiguity is intentional. Research has shown that when listening tasks which force the brain to focus on meaning and it requires the brain to think of different possibilities, learning occurs more quickly."
	Play Treasure EARland at least 10 minutes twice this week with a male talker.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
Week 4	Play pEARI Crunch at least 10 minutes twice this week with a female talker with the noise adjusted to your preference.	"During every day listening, we tend to listen for the 'meat' of the word and not subtle nuances. For instance, we often do not distinguish between the words <i>smile</i> and <i>smiles</i> . This game forces you to pay attention to word endings. Think about it: There's a big difference between, "I can pick you up from the airport" and "I can't pick you up from the airport."
		"Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level."

Play EARonaut at least 10 minutes twice "Female voices are particularly difficult to this week with a female talker with the hear in background noise. Try playing a few noise adjusted to your preference. rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you to still hear the female voice speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon." "This game is important because it is developing your auditory memory, or ability to keep words in your mind as you listen." "Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you to still hear the female voices speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon." Week 5 Play ShakespEARe at least 10 minutes "At first you may have a hard time twice this week with a female talker. remembering which sentence came first, second, third, fourth and fifth. Try to get at least three sentences in the correct order for each paragraph." Play MountainEAR at least 10 minutes "This game may help you listen more twice this week with a female talker. effectively in the presence of background noise because it forces you to pay attention to the target word and ignore competing speech." "Sometimes you might be confused and not be able to decide which picture matches the word that you just heard. This is okay. This game will require that you make quick

		decisions about what you heard and sometimes this is hard to do."
Week 6	Play FarmEAR in the Dell at least 10 minutes twice this week with a female talker.	"Try to ignore the background noise and pay attention to which picture matches the word you've just heard. This activity will develop 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."
		"Try to ignore the noise and pay attention to which picture matches the word you've just heard. This activity will develop 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."
	Play Treasure EARland at least 10 minutes twice this week with a female talker.	"Even though this game is designed to develop your phoneme discrimination, which is your ability to decide whether two sounds are the same or different, it is also developing your ability to focus on the meaning of words and developing your sense of self-confidence in your listening abilities."
Week 7	Play pEARI Crunch for at least 10 minutes twice this week with a child talker with the noise adjusted to your preference.	"Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level."  "When background noise is present, often the first thing a person with hearing loss will notice is that word endings seem to 'disappear'." pEARI Crunch is designed to focus your attention specifically on these word endings and let you experiment with how your ears and brain respond to the presence of background noise."
	Play EARonaut for at least 10 minutes twice this week with a child talker with the noise adjusted to your preference.	"Remembering words is very important when you are listening to everyday conversations. When you hear a word, try

		to visualize which planet hides the corresponding picture."
		"Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you to still hear the child voices speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
Week 8	Play ShakespEARe at least 10 minutes twice this week with a child talker.	"Very often in conversations, we "tell stories" about what happened during the day. In this game, you will practice paying attention to the beginnings, middles, and endings of stories."
	Play MountainEAR at least 10 minutes twice this week a child talker.	"Background noise will make children's voices especially difficult to understand. This is because children tend to talk more softly than adults and because noise is especially detrimental to high pitched voices."
Week 9	Play FarmEAR in the Dell at least 10 minutes twice this week with a child talker.	"You are learning to recognize common words that occur frequently in everyday conversation. Over time, this kind of training will make listening easier for you."
	Play Treasure EARland at least 10 minutes twice this week with a child talker.	"One purpose of Treasure EARland is to increase your confidence in your abilities to recognize words. Research has shown that when you doubt your ability to hear words correctly, you actually don't hear them as well as when you have high confidence in your ability. The mind becomes distracted by the doubt."
Week 10	Play pEARI Crunch at least 10 minutes twice this week with all types of talkers with the noise adjusted to your preference.	"Even though listening to all types of talkers is more difficult than listening to a single type of talker, such as a male voice, research has shown that training with all types mixed together leads to faster learning and to better generalization to everyday listening than does training with a single talker type."

		"Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level."
	Play EARonaut at least 10 minutes twice this week with all types of talkers with the noise adjusted to your preference.	"Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you to still hear the voices speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
Week 11	Play ShakespEARe at least 10 minutes twice this week with all types of talkers.	"Try to ignore the sound of the talkers' voices and to focus on the meaning of the sentences that they are speaking. This will develop your ability to understand spoken stories."
	Play MountainEAR at least 10 minutes twice this week with all types of talkers.	"Sometimes you might be confused and not be able to decide which picture matches the word that you just heard. This is okay. This game will require that you make quick decisions about what you heard and sometimes this is hard to do."
Week 12	Play FarmEAR in the Dell at least 10 minutes twice this week with all types of talkers.	"Training with all types of talkers is the most difficult training task. However, research shows that training with "multiple talkers" is most effective in training the brain to recognize common, everyday words."
	Play Treasure EARland at least 10 minutes twice this week with all types of talkers.	

Lesson plan for the patient who wants to understand the speech of an FCP (crash course). The voice designation of "M/F" stands for "Male or Female" and means that the patient should train with the generic voice type that is the same sex as his or her FCP.

Note: This lesson plan is appropriate for patients who have an FCP who has recorded the training stimuli in a single session at the onset of the patient's training program. If the FCP hasn't recorded all stimuli, the missing words, phrases, or sentences will be replaced by generic recordings stored in the clean software.

Week	Games	Voices	Comments/Notes
1	* pEARI Crunch, adjust noise to preference * EARonaut, adjust noise to preference	M/F	
2	<ul><li>* ShakespEARe</li><li>* pEARI Crunch, in light noise</li></ul>	M/F FCP	
3	* EARonaut, in light noise * MountainEAR	FCP M/F	
4	* MountainEAR * FarmEAR in the Dell	FCP M/F	
5	* FarmEAR in the Dell * Treasure EARland	FCP M/F	
6	* Treasure EARland * pEARl Crunch, in moderate noise	FCP FCP	
7	* EARonaut, in moderate noise * ShakespEARe	FCP FCP	
8	* MountainEAR * FarmEAR in the Dell	FCP FCP	
9	* Treasure EARland * EARonaut, in high noise	FCP FCP	
10	* pEARI Crunch, in high noise * MountainEAR	FCP FCP	
11	* FarmEAR in the Dell * Treasure EARland	FCP FCP	
12	* pEARI Crunch, in high noise * Patient's choice	FCP FCP	

Week 1	Play pEARI Crunch at least 10 minutes twice this week with the talker type that is the	"pEARI Crunch forces you to pay attention to those endings of words that add subtle
	same sex as your FCP with the noise adjusted to your preference.	meaning, such as the plural "s" in the word boys or the negative "n't" in the word
		can't. These endings are often hard to hear and easy to ignore."

"During every day listening, we tend to listen for the 'meat' of the word and not subtle nuances. For instance, we often do not distinguish between the words *smile* and smiles. This game forces you to pay attention to word endings. Think about it: There's a big difference between, "I can pick you up from the airport" and "I can't pick you up from the airport." "This game will get a little easier the more you play because you are training your ears to pay attention to word endings." Play EARonaut at least 10 minutes twice "Especially early in your training, it is easier this week with the talker type that is the if you try and remember where 3 or 4 pictures are when they are presented on same sex as your FCP with the noise adjusted to your preference. the screen instead of attempting to memorize all of them." "Earonaut exercises your auditory memory, which is the ability to keep words in your mind as you listen." Week 2 Play ShakespEARe at least 10 minutes "ShakespEARe may help develop your twice this week with the talker type that is ability to remember the details of a story. It exercises your 'auditory memory', which the same sex as your FCP. is the brain's ability to hold in memory words and sentences that you have recently heard." "At first you may have a hard time remembering which sentence came first, second, third, fourth and fifth. Try to get at least three sentences in the correct order for each paragraph." Play pEARI Crunch at least 10 minutes twice "pEARI Crunch forces you to pay attention this week with your FCP's voice in light to those endings of words that add subtle meaning, such as the plural "s" in a word noise. like boys or the negative "n't" in a word like can't. These endings are often hard to hear and easy to ignore." "You can determine what is "light noise". Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a

		point where you are getting four pearls for every necklace. Do not move the bar again but train at this noise level."
Week 3	Play EARonaut at least 10 minutes twice this week with your FCP's voice in light noise.	"Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you to still hear your FCP speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."  "Remembering words is very important when you are listening to everyday conversations. When you hear a word, try to visualize which planet hides the corresponding picture."
	Play MountainEAR about 10 minutes twice this week with a talker type that is the same sex as your FCP.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
		"Playing MountainEAR may help you to recognize words more quickly, which is important when you are listening to connected speech. The typical talker of English speaks between 110 and 150 words per minute. This means that you must have good 'auditory processing speed' to understand speech, which is the brain's ability to quickly process the meaning of words."
Week 4	Play MountainEAR at least 10 minutes twice this week with your FCP's voice.	"Sometimes you might be confused and not be able to decide which picture matches the word that you just heard. This is okay. This game will require that you make quick decisions about what you heard and sometimes this is hard to do."
Week 4	1	understand speech, which is the brain' ability to quickly process the meaning words."  "Sometimes you might be confused an be able to decide which picture matche the word that you just heard. This is o This game will require that you make a decisions about what you heard and

	Play FarmEAR in the Dell at least 10 minutes twice this week with a talker type that is the same sex as your FCP.	"You may find that some of the pictures are a little ambiguous and that it takes some thought to match the word that you hear with the pictures that you see. This ambiguity is intentional. Research has shown that when listening tasks which force the brain to focus on meaning and it requires the brain to think of different possibilities, learning occurs more quickly."  "If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
Week 5	Play FarmEAR in the Dell at least 10 minutes twice this week with your FCP's voice.	"Try to ignore the noise and pay attention to which picture matches the word you've just heard. This activity will develop 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."
	Play Treasure EARland at least 10 minutes twice this week with a talker type that is the same sex as your FCP.	"One purpose of Treasure EARland is to increase your confidence in your abilities to recognize words. Research has shown that when you doubt your ability to hear words correctly, you actually don't hear them as well as when you have high confidence in your ability. The mind becomes distracted by the doubt."  "If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the
		better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
Week 6	Play Treasure EARland at least 10 minutes twice this week with your FCP's voice.	"Learning to discriminate and recognize words in the presence of background noise will increase your confidence to engage in

social situations, such as eating out at restaurants. Treasure EARland exercises your word discrimination abilities and your ability to hear your FCP in noisy settings." Play pEARI Crunch at least 10 minutes twice "Even though your FCP's voice may be very this week with your FCP's voice in familiar to you because you have listened moderate noise. to and talked with your FCP for a long time, you may not realize that you have not been attending to important word endings. When listening becomes difficult, the brain tends to pay less attention to word endings. Training with pEARI Crunch will exercise your auditory attention and lead you to pay more attention to word endings." "You can determine what is "moderate noise". Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level." Week 7 Play EARonaut at least 10 minutes twice "You can determine what is 'moderate' this week with your FCP in moderate noise. noise. Start by setting the noise bar to its midway setting. If this makes it too difficult to hear the words, decrease the noise where you can hear the talkers, but you are still aware of noise. If in the midway setting, you can still easily hear the talkers, adjust the noise to be louder. During this process, you will not only exercise your 'auditory attention', or the brain's ability to focus on a single speech stimulus, but you will also develop an awareness of the levels of noise that you can tolerate. This awareness will be helpful when you have to assess whether you will have to make accomodations for a particular setting, such as asking for a quiet section of a noisy restaurant." "Your FCP's voice may sound different to Play ShakespEARe at least 10 minutes twice this week with your FCP. you because of your hearing loss, and will sound especially different if you have just received a new hearing aid or cochlear implant. By listening to your FCP speak sentences, you will likely begin to recognize

		the speech rhythms and cadences that the FCP employs when speaking, and this will help you recognize the FCP's words more quickly."
Week 8	Play MountainEAR at least 10 minutes twice this week with your FCP.	"Many people with hearing loss feel that they only can understand what their FCP says if the FCP speaks very slowly. Training with MountainEAR will exercise your ability to understand your FCP when the FCP speaks with a normal speaking rate."
	Play FarmEAR in the Dell at least 10 minutes twice this week with your FCP.	"By playing FarmEAR in the Dell, you are learning to recognize common words that occur frequently in everyday conversations with your FCP. Over time, this kind of training will make listening easier for you."
Week 9	Play Treasure EARland at least 10 minutes twice this week with your FCP.	"Even though this game is designed to develop your phoneme discrimination, which is your ability to decide whether two sounds are the same or different, it is also developing your ability to focus on the meaning of words and developing your sense of self-confidence in your listening abilities."
	Play EARonaut at least 10 minutes twice this week with your FCP's voice in high noise.	"You can determine what is 'high' noise. Start by setting the noise bar to its midway setting. If this makes it too difficult to hear the words, decrease the noise where you can hear the talkers, but you are still aware of noise. At first, you may find that what is a high noise level for you is very near the quiet position on the noise bar. With continued practice, you might be able to tolerate more noise."
Week 10	Play pEARI Crunch at least 10 minutes twice this week with all your FCP's voice in high noise.	"You can determine what is "high noise".  Start by playing the game in quiet. On the second trial, bump up the noise just a little.  On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level."
		"When background noise is present, often a person with hearing loss will notice that word endings seem to 'disappear'." pEARI Crunch is designed to focus your attention specifically on these word endings and let

		you experiment with how your ears and brain respond to the presence of background noise."
	Play MountainEAR at least 10 minutes twice this week with your FCP's voice.	"You may found that you can recognize the words more quickly when they are spoken by your FCP than when they are spoken by a talker of the opposite sex. Try playing MountainEAR with your FCP's voice. After several trials, then play MountainEAR with the voice of talkers of the same sex as your FCP. Do you find that you recognize words faster with your FCP's voice? Does it seem easier to recognize the words when they are spoken by your FCP? Familiarity of the talker has a very positive effect upon your ability to recognize speech."
Week 11	Play FarmEAR in the Dell at least 10 minutes twice this week with your FCP's voice.	"Sometimes you might be confused and not be able to decide which picture matches the word that you just heard. This is okay. This game will require that you make quick decisions about what you heard and sometimes this is hard to do."
	Play Treasure EARland at least 10 minutes twice this week with your FCP's voice.	"Even though this game is designed to develop your phoneme discrimination, which is your ability to decide whether two sounds are the same or different, it is also developing your ability to focus on the meaning of words and developing your sense of self-confidence in your listening abilities."
Week 12	Play pEARI Crunch at least 10 minutes twice this week with your FCP's voice in high noise.	"You can determine what is "high noise". Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level."
	You choose a game, but play with the voice of your FCP	

Lesson plan for the patient who wants to understand the speech of an FCP (staged in over time). The voice designation of "M/F" stands for "Male or Female" and means that the patient should train with the generic voice type that is the same sex as his or her FCP.

Note: this lesson plan is appropriate for patients who have an FCP who does not want to record the training stimuli in a single session. FCP should record the stimuli in 3 sessions:

Before Week 1, session 1: Stimuli for pEARI Crunch, ShakespEARe Before Week 7, sessions 2 & 3: Word stimuli

Week	Games	Voices	Comments/Notes
1	* EARonaut, adjust noise to preference * pEARI Crunch, in quiet	M/F FCP	
2	* ShakespEARe * MountainEAR	FCP M/F	
3	* pEARI Crunch, in light noise * FarmEAR in the Dell	FCP M/F	
4	* ShakespEARe * Treasure EARland	FCP M/F	
5	* pEARI Crunch, in high noise * EARonaut, in light noise	FCP M/F	
6	* pEARI Crunch, in high noise * ShakespEARe	FCP FCP	
7	* MountainEAR * FarmEAR in the Dell	FCP FCP	
8	* Treasure EARland * EARonaut, in high noise	FCP FCP	
9	* MountainEAR * FarmEAR in the Dell	FCP FCP	
10	* Treasure EARland * pEARl Crunch, in high noise	FCP FCP	
11	* ShakespEARe * Patient's choice	FCP FCP	
12	* Patient's choice * Patient's choice	FCP FCP	

	Goals	Tips
Week 1	Play EARonaut at least 10 minutes twice this week with a talker type that is the same sex as your FCP with the noise adjusted to your preference.	"Especially early in your training, it is easier if you try and remember where 3 or 4 pictures are when they are presented on the screen instead of attempting to memorize all of them."
	Play pEARI Crunch at least 10 minutes twice this week with your FCP's voice in quiet.	"pEARI Crunch forces you to pay attention to those endings of words that add subtle meaning, such as the plural "s" or the negative "n't" These endings are often hard to hear and easy to ignore."
		"During every day listening, we tend to listen for the 'meat' of the word and not subtle nuances. For instance, we often do not distinguish between the words <i>smile</i> and <i>smiles</i> . This game forces you to pay attention to word endings. Think about it: There's a big difference between, "I can pick you up from the airport" and "I can't pick you up from the airport."
Week 2	Play ShakespEARe at least 10 minutes twice this week with your FCP's voice.	"Your FCP's voice may sound different to you because of your hearing loss, and will sound especially different if you have just received a new hearing aid or cochlear implant. By listening to your FCP speak sentences, you will likely begin to recognize the speech rhythms and cadences that the FCP employs when speaking, and this will help you recognize the FCP's words more quickly."
	Play MountainEAR about 10 minutes twice this week with a talker type that is the same sex as your FCP.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
		"This game is important because it may help you to recognize words quickly, which is important when you are listening to connected speech. The typical talker of English speaks between 110 and 150 words per minute. This means that you must have

		good 'auditory processing speed' to understand speech, which is the brain's ability to quickly process the meaning of words."
Week 3	Play pEARI Crunch at least 10 minutes twice this week with your FCP's voice in light noise.	"You can determine what is "light noise". Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting four pearls for every necklace. Do not move the bar again but train at this noise level."
		"Even though your FCP's voice may be very familiar to you because you have listened to and talked with your FCP for a long time, you may not realize that you have not been attending to important word endings. When listening becomes difficult, the brain tends to pay less attention to word endings. Training with pEARI Crunch will exercise your auditory attention and lead you to pay more attention to word endings."
	Play FarmEAR in the Dell at least 10 minutes twice this week with a talker type that is the same sex as your FCP.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
		"You may find that some of the pictures are a little ambiguous and that it takes some thought to match the word that you hear with the pictures that you see. This ambiguity is intentional. Research has shown that when listening tasks which force the brain to focus on meaning and it requires the brain to think of different possibilities, learning occurs more quickly."
		"You are learning to recognize common words that occur frequently in everyday conversation. Over time, this kind of training will make listening easier for you."

Week 4	Play ShakespEARe at least 10 minutes twice this week with your FCP's voice.	"ShakespEARe may help develop your ability to remember the details of a story. It exercises your 'auditory memory', which is the brain's ability to hold in memory words and sentences that you have recently heard."
		"At first you may have a hard time remembering which sentence came first, second, third, fourth and fifth. Try to get at least three sentences in the correct order for each paragraph."
	Play Treasure EARland at least 10 minutes twice this week with a talker type that is the same sex as your FCP's voice.	"One purpose of Treasure EARland is to increase your confidence in your abilities to recognize words. Research has shown that when you doubt your ability to hear words correctly, you actually don't hear them as well as when you have high confidence in your ability. The mind becomes distracted by the doubt."
		"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
		"Don't get discouraged if you have to play more than 2 rounds to meet your goal."
Week 5	Play pEARI Crunch at least 10 minutes twice this week with your FCP's voice in high noise.	You can determine what is "high noise".  Start by playing the game in quiet. On the second trial, bump up the noise just a little.  On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level."
	Play EARonaut at least 10 minutes twice this week with a talker type that is the same sex as your FCP in light noise.	"Remembering words is very important when you are listening to everyday conversations. When you hear a word, try

		to visualize which planet hides the corresponding picture."  "You can determine what is 'light' noise. Start by setting the noise bar to its midway setting. If this makes it too difficult to hear the words, decrease the noise where you can hear the talkers, but you are still aware of noise. If in the midway setting, you can still easily hear the talkers, adjust the noise to be louder. During this process, you will not only exercise your 'auditory attention', or the brain's ability to focus on a single speech stimulus, but you will also develop an awareness of the levels of noise that you can tolerate. This awareness will be helpful when you have to assess whether you will have to make accomodations for a particular setting, such as asking for a quiet section of a noisy restaurant."
Week 6	Play pEARI Crunch at least 10 minutes twice this week with your FCP's voice in high noise.	"You can determine what is "high noise".  Start by playing the game in quiet. On the second trial, bump up the noise just a little.  On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three pearls for every necklace. Do not move the bar again but train at this noise level."
	Play ShakespEARe at least 10 minutes twice this week with your FCP's voice.	"ShakespEARe is designed to enhance your everyday conversations with your FCP by making listening easier and more successful. Very often in conversations, we "tell stories" about what happened during the day. In this game, you will practice paying attention to the beginnings, middles, and endings of stories, as told by your FCP."
Week 7	Play MountainEAR at least 10 minutes twice this week with your FCP's voice.	"You may found that you can recognize the words more quickly when they are spoken by your FCP than when they are spoken by a talker of the opposite sex. Try playing MountainEAR with your FCP's voice. After several trials, then play MountainEAR with the voice of talkers of the same sex as your FCP. Do you find that you recognize words faster with your FCP's voice? Does it seem easier to recognize the words when they

	Play FarmEAR in the Dell at least 10 minutes twice this week with your FCP's voice.	are spoken by your FCP? Familiarity of the talker has a very positive effect upon your ability to recognize speech."  "You are learning to recognize common words that occur frequently in everyday conversations with your FCP. Over time, this kind of training will make listening easier for you and participating in conversations much easier."  "Try to ignore the noise and pay attention to which picture matches the word you've just heard. This activity will develop 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."  "Sometimes you might be confused and not be able to decide which picture matches the word that you just heard. This is okay. This game will require that you make quick decisions about what you heard and sometimes this is hard to do."
Week 8	Play Treasure EARland at least 10 minutes twice this week with your FCP's voice.	"Even though this game is designed to develop your phoneme discrimination, which is your ability to decide whether two sounds are the same or different, it is also developing your ability to focus on the meaning of words and developing your sense of self-confidence in your listening abilities."
	Play EARonaut at least 10 minutes twice this week with your FCP's voice in high noise.	"Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you still to hear your FCP speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
Week 9	Play MountainEAR at least 10 minutes twice this week with your FCP's voice.	"Many people with hearing loss feel that they only can understand what their FCP

		says if the FCP speaks very slowly. Training with MountainEAR will exercise your ability to understand your FCP when the FCP speaks with a normal speaking rate."
	Play FarmEAR in the Dell at least 10 minutes twice this week with your FCP's voice.	"Sometimes you might be confused and not be able to decide which picture matches the word that you just heard. This is okay. This game will require that you make quick decisions about what you heard and sometimes this is hard to do."
Week 10	Play Treasure EARland at least 10 minutes twice this week with your FCP's voice.	Learning to discriminate and recognize words in the presence of background noise will increase your confidence to engage in social situations, such as eating out at restaurants. Treasure EARland exercises your word discrimination abilities and your ability to hear your FCP in noisy settings.
	Play pEARI Crunch at least 10 minutes twice this week with all your FCP's voice in high noise.	"You can determine what is 'high' noise. Start by setting the noise bar to its midway setting. If this makes it too difficult to hear the words, decrease the noise where you can hear the talkers, but you are still aware of noise. At first, you may find that what is a high noise level for you is very near the quiet position on the noise bar. With continued practice, you might be able to tolerate more noise."
Week 11	Play ShakespEARe at least 10 minutes twice this week with your FCP's voice.	"ShakespEARe is designed to enhance your everyday conversations with your FCP by making listening easier and more successful. Very often in conversations, we "tell stories" about what happened during the day. In this game, you will practice paying attention to the beginnings, middles, and endings of stories, as told by your FCP."
	Your choice of game, at least 10 minutes twice this week, but play with the voice of your FCP.	
Week 12	Your choice of game, at least 10 minutes twice this week, but play with the voice of your FCP.	

Your choice of game, at least 10 minutes twice this week, but play with the voice of your FCP.	

Lesson plan for the patient with central auditory processing disorder or cognitive difficulties

Week	an for the patient with central audito  Games	Voices	Comments/Notes
1	* pEARI Crunch, adjust noise to quiet and then with each "new necklace", add just a little more noise	Male	
	*FarmEAR in the Dell	Male	
2	* EARonaut, adjust noise to quiet and then with each new trial, add just a little more noise	Male	
	* Treasure EARland	Male	
3	* MountainEAR * ShakespEARe	Male Male	
4	* pEARI Crunch, adjust noise to quiet and then with each "new necklace", add just a little more noise	Female	
	* FarmEAR in the Dell	Female	
5	* EARonaut, adjust noise to quiet and then with each new trial, add just a little more noise	Female	
	* Treasure EARland	Female	
6	* MountainEAR * ShakespEARe	Female Female	
7	* pEARI Crunch, adjust noise to quiet and then with each "new necklace", add just a little more noise	Child	
	*FarmEAR in the Dell  * EARonaut, adjust noise to	Child Child	
8	quiet and then with each new trial, add just a little more noise * Treasure EARland	Child	
9	* MountainEAR * ShakespEARe	Child Child	
10	<ul> <li>* pEARI Crunch, adjust noise to preference</li> <li>* EARonaut, adjust noise to preference</li> </ul>	All types All types	
11	* ShakespEARe * MountainEAR	All types All types	
12	* FarmEAR in the Dell * Treasure EARland	All types All types	

	Goals	Tips
Week 1	Play pEARI Crunch at least 10 minutes twice this week with a male talker starting in quiet and then adding noise on the scroll bar with each play.	"pEARI Crunch forces you to pay attention to those endings of words that add subtle meaning, such as the plural "s" in the word boys or the negative "n't" in the word can't. These endings are often hard to hear and easy to ignore."  "During every day listening, we tend to listen for the 'meat' of the word and not subtle nuances. For instance, we often do not distinguish between the words smile and smiles. This game forces you to pay attention to word endings. Think about it: There's a big difference between, "I can pick you up from the airport" and "I can't pick you up from the airport."
	Play FarmEAR in the Dell at least 10 minutes twice this week with a male talker.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
		"Try to ignore the background noise and pay attention to which picture matches the word you've just heard. This activity will develop 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimulis that are irrelevant and distracting."  "You may find that some of the pictures are
		a little ambiguous and that it takes some thought to match the word that you hear with the pictures that you see. This ambiguity is intentional. Research has shown that when listening tasks which force the brain to focus on meaning and it requires the brain to think of different possibilities, learning occurs more quickly."
Week 2	Play EARonaut at least 10 minutes twice this week with a male talker starting in quiet and then adding noise on the scroll bar with each play.	"Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you still to

		hear the male talkers speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
	Play Treasure EARland for about 10 minutes twice this week with a male talker.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
		"One purpose of Treasure EARland is to increase your confidence in your abilities to recognize words. Research has shown that when you doubt your ability to hear words correctly, you actually don't hear them as well as when you have high confidence in your ability. The mind becomes distracted by the doubt."
Week 3	Play MountainEAR at least 10 minutes twice this week with a male talker.	"If the noise seems to be getting louder, that means that you are actually getting better at listening in noise because the better you do, the more noise is introduced into the training task. The game is programmed to have more noise after you make consecutive correct answers and less noise after you make consecutive incorrect answers."
	Play ShakespEARe Island at least 10 minutes twice this week with a male talker.	"This game may help develop your ability to remember the details of a story. It exercises your 'auditory memory', which is the brain's ability to hold in memory words and sentences that you have recently heard."
		"At first you may have a hard time remembering which sentence came first, second, third, fourth and fifth. Try to get at least three sentences in the correct order for each paragraph."

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Week 4	Play pEARI Crunch at least 10 minutes twice this week with a female talker starting in quiet and then adding noise on the scroll bar with each play.	"The noise will make this task more difficult so really pay attention to the end of words."  "This game is important training because the ends of words often convey a lot of meaning."  "If you feel that the training is getting too hard, go ahead and turn down the noise with the noise bar. If you feel that the training is getting too easy, turn up the noise."
	Play FarmEAR in the Dell at least 10 minutes twice this week with a female talker.	"Sometimes the pictures may be a little confusing. This is okay. The goal is to make you think very hard about the meaning of the words."
		"Try to ignore the noise and pay attention to which picture matches the word you've just heard. This activity will develop 'auditory attention', which is the brain's ability to focus on one auditory stimulus and ignore other auditory stimuli that are irrelevant and distracting."
Week 5	Play EARonaut at least 10 minutes twice this week with a female talker starting in quiet and then adding noise on the scroll bar with each play.	"Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you still to hear the voice speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
	Play Treasure EARland for about 10 minutes twice this week with a female talker.	"If the noise gets louder as you play, this means you are doing better. You are developing an important cognitive skill called 'auditory attention', which is your ability to ignore noise and attend only to the important speech."
Week 6	Play MountainEAR at least 10 minutes twice this week with a female talker.	"This game is important because it may help you to recognize words quickly, which is important when you are listening to

		connected speech. The typical talker of English speaks between 110 and 150 words per minute. This means that you must have good 'auditory processing speed' to understand speech, which is the brain's ability to quickly process the meaning of words."  "Sometimes you might be confused and not be able to decide which picture matches the word that you just heard. This is okay. This game will require that you make quick decisions about what you heard and
	Play ShakespEARe Island at least 10 minutes twice this week with a female talker.	You may have a hard time remembering which sentence came first, second, third, fourth and fifth. As you play, you will develop your ability to remember the ordering of the sentences.
Week 7	Play pEARI Crunch at least 10 minutes twice this week with a child talker starting in quiet and then adding noise on the scroll bar with each play.	Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting three or four pearls for every necklace. Do not move the bar again but train at this noise level."
	Play FarmEAR in the Dell at least 10 minutes twice this week with a child talker.	"This game is designed to help you to recognize common, everyday days more easily."  "Background noise will make children's voices especially difficult to understand. This is because children tend to talk more softly than adults and because noise is especially detrimental to high pitched voices."
Week 8	Play EARonaut at least 10 minutes twice this week with a child talker starting in quiet and then adding noise on the scroll bar with each play.	"When you listen in noise, you may find that it is more difficult to remember what people say. This game exercises your ability to remember words, even if listening conditions are difficult."  "Children's voices are harder to hear than those of men or women. You might find that you have a hard time remembering the

		words. That's okay because this is only
		natural."
	Play Treasure EARland for about 10 minutes twice this week with a child talker. Listen to the single words in noise and try	"Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you still to hear hear the voice the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
	to increase your coins each round.	"This game teaches you to hear differences between words that sound very similar. Discriminating words is a very important skill for successful listening."
		"Even though this game is designed to develop your phoneme discrimination, which is your ability to decide whether two sounds are the same or different, it is also developing your ability to focus on the meaning of words and developing your sense of self-confidence in your listening abilities."
Week 9	Play MountainEAR at least 10 minutes twice this week with a child's voice.	"Remember, if the noise seems to be getting louder as you play, this means you are getting better at listening and paying attention to the words."
		"Children's voices are especially hard to hear when you are listening in noise.  MoutainEAR exercises your ability to understand the meaning of words, even if you are having a hard time hearing."
	Play ShakespEARe Island at least 10 minutes twice this week with a child talker.	"Because children's voices are especially hard to hear, you may have a difficult time remembering the story. This is okay. You will get better with practice."
		"This game is developing your ability to remember the beginning, middle, and endings of stories. This is an important skill when listening to people in your everyday conversations."

Week 10	Play pEARI Crunch at least 10 minutes twice this week with a mix of talkers starting in quiet and then adding noise on the scroll bar with each play.	"Start by playing the game in quiet. On the second trial, bump up the noise just a little. On each subsequent trial, bump up the noise just a little more until you reach a point where you are getting two or three pearls for every necklace. Do not move the bar again but train at this noise level."  "Concentrate on hearing the endings of the words as this will help you to select the correct picture."
	Play EARonaut at least 10 minutes twice this week with a mix of talkers starting in quiet and then adding about steps of noise on the scroll bar with each play.	"Try playing a few rounds of EARonaut with the noise bar set to quiet. Over the next rounds, gradually increase the level of background noise and try to determine the maximum of noise that can be present during the game and yet allow you still to hear the voices speak the words. You might find that you are using a lot more 'mental effort' when you are listening in noise than when you are listening in quiet. This is a very natural phenomenon."
Week 11	Play MountainEAR at least 10 minutes twice this week with a mix of talkers.	"You may not realize it, but you will likely be just a little bit slower in playing this game now that you are playing with many types of voices. The reason for this is that when you listen to multiple talker types, the brain has to use more 'mental effort' to process the meaning of words than when you listen to the same talker type speak the words. As a result of increased mental effort, the brain has to take more time to process meaning, and this will slow down your response time."
	Play ShakespEARe Island at least 10 minutes twice this week with a mix of talkers.	"Take your time in playing this game. The goal in this game is to remember what you heard and not to finish the game quickly."  "Try to ignore the sound of the talkers' voices and to focus on the meaning of the sentences that they are speaking. This will develop your ability to understand spoken stories." "Even though listening to all types of talkers is more difficult than listening to a single type of talker, such as a male voice, research has shown that training with all types mixed together leads to faster learning and to better generalization to

		everyday listening than does training with a single talker type."
Week 12	Play FarmEAR in the Dell at least 10 minutes twice this week with a mix of talkers.	"Training with all types of talkers is the most difficult training task. However, research shows that training with "multiple talkers" is most effective in training the brain to recognize common, everyday words."
	Play Treasure EARland for about 10 minutes twice this week with a mix of talkers.	"Listening to a variety of talkers is challenging so don't become discouraged if you have difficulty in distinguishing the words."  "As you continue to play, try betting more coins and increasing your confidence in your ability to listen."