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ACOUSTIC PIONEER TRAINING

Acoustic Pioneer - Auditory Processing

ASHA APPROVED TRAINING (*self-paced*)

Up to 4.5 hours of CEU's

(Each session can earn 1.5 hours of CEU's on its own.)

(As this training is ASHA approved, it is therefore approved for CEU's at other national and international groups.)

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Please do the training in chunks of time that are convenient for you. Also, feel free to share these details with other Audiologist or SLP colleagues. There are 2 video sessions (1.5 hours each) and 1 practical review (likely 1.5 hours -depending) –each of these can be broken down into smaller blocks of time for convenience.

Below is a link to the following:

1. **Session 1**–A VIDEO -a review of APD and significant data on how it relates to language and reading through current literature review
2. **Session 2**–A VIDEO -details about the Acoustic Pioneer Programs and scientific data behind them as well as some case samples
3. **Session 3**–a PRACTICAL SESSION –you will need to complete the following:
 - a. Sign in to the ‘Feather Squadron’ iPad App
 - i. Sign in with demo@demoaud.com password: demo
 - ii. Run through the diagnostic assessment (any headphones will work for demo purposes)
 - b. Sign in to the ‘Hearing Loss Screener’ iPad App with the same log in and take the screening
 - c. Sign in at www.acousticpioneer.com
 - i. sign in with demo@demoaud.com and password: demo
 - ii. View the reports
 - d. Set up a code for insane Earplane using credits
 - e. Set up a code for Zoo Caper using credits
 - f. Play the codes on a tablet or online at the website
 - g. Sign in to the website to view the therapy reports
 - h. That’s it!

To view the lecture videos (Session 1 and Session 2) you will need a device that is online and with headphones or speakers to hear the audio portion. To participate in the practical training (Session 3) you will need an iPad and stereo headphones. If you wish to have the iPad testing apps calibrated correctly (APD test ‘Feather Squadron’ and hearing check ‘Hearing Loss Screener’), I would advise getting the KOSS UR10 headphones. However, any set of stereo headphones will suffice for demonstration purposes.

Please send the ASHA Self Learning Assessment to info@acousticpioneer.com.

Also feel free to reach out to info@acousticpioneer.com should you have any questions or need any assistance with anything.

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Course Activity:

This 4.5 hour seminar and practical application session will focus on newly developed tools that have been developed for use by audiologists and speech and language pathologists to test and administer therapy to people who have auditory processing deficits using current technology.

Educational Objectives Session 1:

- 1) Identify the connection between auditory processing and language/reading development
- 2) Be able to identify two prominent areas of auditory processing related to language/reading

Educational Objectives Session 2:

- 1) Explain the validity data for using a computer based test and therapy developments
- 2) Identify an appropriate therapy based on the APD test results

Educational Objectives Session 3:

- 1) Demonstrate how to practically set up and administer testing programs through a tablet app
- 2) Demonstrate how to practically set up and administer therapeutic options

Please have access to an iPad and stereo headphones for the practical training. Also please install the apps: Feather Squadron, Insane Earplane, and Zoo Caper Skyscraper.

Auditory Processing Advancements



Schedule: Self-paced

SESSION 1: A recorded seminar reviewing the historical evidence and current research over auditory processing and how it relates to language and reading. Runtime: 1.5 hours

SESSION 2: A recorded seminar focusing on Acoustic Pioneer programs for testing and setting up therapies for auditory processing deficits. Runtime: 1.5 hours

SESSION 3: A practical demonstration by the participant of the Acoustic Pioneer auditory processing test, hearing screening program, and both therapies. Runtime: 1.5 hours

Keynote speaker

Matthew Barker, AuD CCC-A and MNZAS

Matthew Barker is the director of Acoustic Pioneer and developed the tools to be discussed in this seminar. He has been pursuing improvements in the auditory processing area since his doctoral research project in 2003 from Texas Tech University Health Sciences Center and has published and presented internationally on the subject.

Financial Disclosure: Matthew Barker is part-owner and shareholder of Acoustic Pioneer.

Non-financial Disclosure: Matthew Barker has no relevant non-financial disclosures.

Course Content Disclosure: This course will focus on Acoustic Pioneer products but will include some information on similar or related products.

Outline of Sessions

Session 1 Outline: Session 1 is a video recording of a PowerPoint lecture with audio commentary.

- 1) Review many journal articles supporting many of the tested areas in auditory processing and how they relate to language.
- 2) Review the traditional methods of testing auditory processing including some limitations of this approach including:
 - a. Duration of testing session(s)
 - b. Manual scoring
 - c. Report writing involvement
 - d. Requirement of a sound booth and audiometer
 - e. Questionable attention or levels of engagement by the patient

Session 2 Outline: Session 2 is a video recording of a PowerPoint lecture with audio commentary.

- 1) Review the concept of a new way to test for auditory processing abilities including peer-reviewed journal article data on the tablet-based program.
- 2) Review new therapy programs and methods of applying therapeutic intervention for identified areas of underdeveloped auditory processing abilities. This also includes peer-reviewed data on the programs.

Session 3 Outline: Session 3 is a practical hands-on session. To perform the practical section, you will need access to a relatively recently released Apple iPad and a pair of stereo headphones. Please have the following apps installed onto the iPad: Feather Squadron; Zoo Caper Skyscraper; Insane Earplane.

- 1) How to sign in to the 'Feather Squadron' iPad App
- 2) Completing the diagnostic assessment
- 3) Completing the 'Hearing Loss Screener'
- 4) Viewing reports
- 5) How to trial both therapy programs
 - a. Insane Earplane
 - b. Zoo Caper
- 6) Viewing therapy reports

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ASHA CE
APPROVED PROVIDER

**Kansas Speech-Language-Hearing
Association**

Intermediate Level

Up to 0.45 ASHA CEUs

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The logo for 'acousticpioneer' features the word 'acousticpioneer' in a bold, lowercase, sans-serif font. To the right of the text is a stylized blue soundwave graphic that starts as a vertical line and then curves into a series of peaks and valleys.