

## STUDENTS WITH KNOWN HEARING LOSS

Students with hearing loss may be seen in our hearing booth to receive diagnostic hearing evaluation and to have their hearing aids and/or hearing assistive technology assessed.



## AUDIOLOGISTS

AEA Audiologists hold advanced degrees, are licensed by the state of Iowa, and specialize in hearing assessment and educational services for children from birth through the school years.

Please call to schedule an appointment.

### Cedar Falls

1521 Technology Parkway  
(lower level parking and entrance)  
(319) 273-8200 or (800) 542-8375

### Clear Lake

9184 265th Street, Suite B  
(641) 329-4200 or (800) 392-6640

### Marshalltown

909 South 12th Street  
(641) 753-3564 or (800) 735-1539



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# HEARING BOOTH

**Audiologists perform diagnostic hearing evaluations on children birth to 18 years of age (21 if still attending high school). This is a free service offered by the agency.**

**INFANTS**

Some infants need to have their hearing rescreened if they missed or did not pass their Newborn Hearing Screening at the hospital. We conduct testing called Distortion Product Otoacoustic Emissions (DPOAE). A small, soft probe is placed in each of the baby's ears, one at a time. Quiet sounds are presented through the probe, and responses from the ear are measured.



**TODDLERS AND PRESCHOOLERS**

It is important for toddlers and preschoolers to hear well in order to develop speech and language and for reading readiness. Toddlers and preschoolers with hearing, speech/ language, and/or developmental concerns are often seen at our hearing booth.

Children may experience ear infections which affect their ability to hear and access sounds. Unfortunately, this may also impact their

speech and language development. We can look in your child's ears (otoscopy) to visualize any potential concerns. We may perform tympanometry, which measures how well the eardrum is moving. We can also evaluate your child's hearing in our sound booth using Visual Reinforcement Audiometry (VRA). During VRA, the child responds by turning toward the sound and is rewarded by seeing a toy move or light up.

Many preschoolers are able to be tested using Conditioned Play Audiometry (CPA). During CPA, the child drops a small toy in a container when a "beep" is heard through the headphones. By the time children are older, many are able to raise their hand when they hear the "beep."



**SCHOOL-AGED**

The majority of school-aged students receive their audiological testing at their schools. However, they may be seen at our

hearing booth to receive diagnostic hearing evaluations.

Our services include:

- ▶ **Otoscopy** (inspecting ear canal and eardrums)
- ▶ **Tympanometry** (the measurement of the eardrum movement)
- ▶ **Pure-Tone Testing** (hearing test)
- ▶ **Word Recognition Test** (a test which shows the ability to discriminate speech)
- ▶ **Bone-Conduction Test** (used to determine type of hearing loss)
- ▶ **Other testing as warranted**

