

## Acoustical Field Trip

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BOOKING # (806) 342-5600

PROGRAM TYPE: Field Trip

GRADES: 3- 5 This program is also available for K-2

PROGRAM LOCATION: Globe-News Center for the Performing Arts  
500 South Buchanan

STUDENT FEE: \$35 per group. No charge for WOWW schools.

ATTENDANCE MIN/MAX: 10 - 30

SPECIFIC AVAILABILITY: Please allow two weeks advance notice

PROGRAM DURATION: 30- 60 minutes

ARTIST/GROUP: WOWW staff

DESCRIPTION: This interactive session includes a tour of the Globe-News Center for the Performing Arts and a lesson focused on the grade level for the acoustical properties of the building and the science of acoustics. Concepts related to architecture and sound are addressed. Students will also identify features in the Center which reflect its connection to the Texas Panhandle culture.

OBJECTIVES: Students will have the opportunity to demonstrate that vibrations create sounds, recognize that sound must have a medium for transmission, identify that some media transmit sound better than others, and learn how the ear works. Students will also demonstrate that sounds can be changed by adding energy, reflecting or absorbing sound and recognize that architects design buildings for specific uses. Students will recognize the 3 types of events that occur in the Globe-News Center, identify and describe how the building can 'transform' to give the best sound, and identify and describe the unique acoustic characteristics of the Globe-News Center for the Performing Arts.

**NOTE: The optimal time for this program is based on the availability when the Globe-News Center has no other entity in the building. Please be aware that you may need to reschedule this program for your students.**

PRESENTATION FORMAT: Lecture, Hands-on, Visual Arts, tour

CORE CURRICULUM TIES: Science, Math

TEKS: Science:K.7A;1.7A;2.7A;3.2CDE;3.7AB;4.2CDE;4.7B;5.2CDE;7A; 8C