

Hearing & Sound- Program Highlights



Grade: 3 Length: 2 hours Number of volunteers requested: 4 Student Booklet: Yes
Please refer to www.tpet.ca for a complete list of SLE's covered in this field trip!

Activities

Whole group

Dr. I.M. Tuloud explains that the best way to learn about the parts of the ear...is to become them! Students participate in building the parts of an ear, discussing how we can damage our ears, complete a secret hearing test and learn some sign language.

Station 1: Vibration - Cause of Sound



Volunteer English Language Proficiency: ★★★

- Students will have the opportunity to **see, feel and hear vibrations**.
- Students will discover that **sound can travel through solids, liquids and gasses with a fun (and surprising) experiment**.

Station 2: Design an Assistive Listening Device

Volunteer English Language Proficiency: ★★

- Students will observe a **variety of assistive listening devices** and discuss how they are used.
- Students will **design/draw a device** that would help people who are hard of hearing or deaf.

Station 3: Pitch – High vs. Low

Presenter runs this station

- Students will come up with an idea or theory (a hypothesis) about the **relationship between the length of the vibrating tines on a tuning fork and the pitch of the note**. They then will demonstrate their understanding of pitch further by conducting an **experiment**.

Station 4: Sound Waves

Volunteer English Language Proficiency: ★★

- Students will participate in an activity where they can **demonstrate different sound waves depending on the pitch and volume of a sound**.
- Students examine a variety of **hearing aids**.



Station 5: Hearing Protection

Volunteer English Language Proficiency: ★★★

- Students use a **decibel meter to measure sound and categorize sounds under various sound levels and frequencies**. They will determine which sounds may require a person to wear **hearing protection**.