

## Sequim School District annual vision and hearing screening

Each board of school directors in the state shall provide for and require screening of the auditory and visual acuity of children attending schools in their districts to determine if any child demonstrates auditory or visual problems that may negatively impact their learning. [Chapter 246-760 WAC](#):

The Sequim Lion's Club is making the [Plusoptix 12C Vision Screener](#) and [e3 Diagnostics](#) audiology screening equipment available to Sequim School 7<sup>th</sup> grade students at Sequim Middle School on Feb. 7<sup>th</sup> and 8<sup>th</sup>, 2023. Volunteers from the Northwest Lion's Foundation will be visiting your child's class to perform the school's state mandated vision and hearing screening tests.

The purpose of a Plusoptix vision screening device is to detect most prevalent vision disorders in children as early as possible. The earlier a vision disorder is detected the better it can be treated, and Amblyopia (a treatable disorder that can result in permanently reduced vision when not addressed by an early age), can be prevented. The screening devices detect risk factors for amblyopia such as strabismus (eyes that cross or wander out), refractive errors, and unequal vision between the eyes.

Plusoptix Vision Screeners use the measuring principle of a [transillumination test](#). Unlike other transillumination tests, Plusoptix devices avoid glare of the patient, by using infrared light. The pupils remain large *even without dilation*. [Plusoptix: Vision Screening - Plusoptix Vision Screener](#)

### WORKING PRINCIPLE OF A TRANSILLUMINATION TEST

All Plusoptix devices use the **measuring principle of a transillumination test**. In a transillumination test, a beam of light is projected into the eye and reflected by the retina. The light beam illuminates the central part of the cornea, the lens, the vitreous humor and the retina. This measuring principle is used in many eye examinations.

Unlike other transillumination tests, Plusoptix devices **avoid glare of the patient, by using infrared light**. The device records **camera images** of the illuminated pupils, so that a referral to an eye care specialist can be made for any concerns noted.



Picture 6: Illustration of a measurement

Please call the School Nurse: Sonja Bittner RN at (360) 477-7728 for questions.

---

### **Opt-Out Section:**

If you **DO NOT** wish your child to participate in the Plusoptix Vision Screening, please complete the information below:

**I do NOT want (child's name):** \_\_\_\_\_ to participate in the Plusoptix Vision Screening that the Lion's Club volunteers will be performing at school. I understand that my child will remain in class during the time that other students will be participating in the Screening.

Child's Teacher: \_\_\_\_\_ Grade: \_\_\_\_\_

Parent/Guardian Name (please print): \_\_\_\_\_

Parent/Guardian **Signature:** \_\_\_\_\_ Date: \_\_\_\_\_