



Spot® Vision Screening—Norwich Marion Cross School

September 21, 2021

By Gary DeGasta and Stephen Flanders

Norwich, Vermont: On September 20-21 Norwich Lions Club members screened 306 children and two adults over a day and a half at the Marion Cross Elementary School (MCS) in Norwich. The specially trained “visioneers” were King Lion Peter Stanzel, and Lions Steve Flanders and Gary De Gasta.

They used a Welch Allyn Spot® Vision Screener, which resembles a Polaroid camera and quickly assesses six parameters: myopia (near-sightedness), hyperopia (far-sightedness), astigmatism (blurred vision), anisocoria (unequal pupil size), anisometropia (unequal vision between eyes), and gaze symmetry.



The Spot® Vision Screener in action

The spot screening device replaces the traditional eye chart for screening children and provides much more information. Typically, a subject can be screened in under a minute and screening results in a printed report for the school nurse’s files.

Out-of-range values are highlighted for the nurse to advocate follow-up by an optometrist or ophthalmologist to the child’s parents. On the average, about 10% of those screened result in out-of-range readings. Of the 306 children screened, only 21 (7%) registered out of range.

MCS's new nurse, Jane Glick, coordinated the screening with the school administration and teachers and Norwich Lions. A follow up date will be arranged to screen the handful of students absent from school during the screening event.

The Spot® Vision Screener used is one of several owned by District 45 Lions (the State of Vermont). The screening devices, strategically based at clubs throughout the state—including Norwich—are valued at \$7,500 each

Annually, Vermont Lions Clubs in District 45 screen thousands of Vermont school children. The Norwich Lions Club has participated in the district program since 2016 and currently has over a dozen club members trained as visioneers, ready and able to conduct eye screenings.

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Vision screening does not replace a complete eye examination by an ophthalmologist or optometrist.

Screening Complete

Vision Screening Summary

SUBJECT ID: **SES**
 SCREENING: **12/10/2020 10:10 am** GENDER: **F**
 AGE: **7 years**
 FIRST NAME: **Ad2**
 LAST NAME:



POTENTIAL CONDITION

5.5 5.6 5.6
 +1.0 +1.0 +1.0
 +2.0 -CYL -CYL -CYL

+0.25	+0.50
+0.50 -0.50 @172°	+0.75 -0.25 @142°

Vision screening should be conducted regularly as eyes may change over time.

RIGHT EYE: OUT OF RANGE IN RANGE IN RANGE OUT OF RANGE
 LEFT EYE: IN RANGE OUT OF RANGE
 BOTH EYES: IN RANGE

- Myopia
- Hyperopia
- Astigmatism
- Other Error
- Amplitude
- Asymmetry
- Other Asymmetry

Welch Allyn Spot Vision Screening
 Provided By
Norwich Lions Club




31599_LR_SES_20201210_101016_0 12/10/2020 10:10 am

Typical printed output for an in-range subject

Norwich Lions Club

P.O. Box 854

Norwich, VT 05055-0854

Email: norwichvtlions@gmail.com

Website: norwichlionsclub.org