

Fun Frames style in Kit may vary

Near/Distance Vision Screening Kit with Tutorial DVD by AAPOS, Good-Lite & School Health

AAPOS, Good-Lite, and School Health Corporation created a Strategic Alliance Agreement to distribute a School Nurse Vision Screening Tutorial DVD, created by Kathy Lee, MD, PhD, within a kit that includes occluder glasses and distance and near visual acuity eye charts designed especially for School Nurses.

WHAT'S IN THE KIT:

You are receiving a Kit that AAPOS, School Health, and Good-Lite created to accompany the School Nurse Vision Screening Tutorial created by Kathy Lee, MD. This Kit includes the following items:

School Nurse Vision Screening Tutorial DVD

4 Double-Sided, 10-Feet Distance Eye Charts – 8 lines of optotypes – 20/100, 20/63, 20/50, 20/40, 20/32, 20/25, 20/20, and 20/16

- LEA SYMBOLS®
- LEA NUMBERS®
- HOTV
- Sloan Letters

4 Double-Sided, 16-Inch Near Vision Charts – 10 lines of optotypes – 20/200, 20/100, 20/80, 20/63, 20/50, 20/40, 20/32, 20/25, 20/20, and 20/16

- LEA SYMBOLS®
- LEA NUMBERS®
- HOTV
- Sloan Letters

Double-sided Response Panel for LEA SYMBOLS® and HOTV Optotypes for Matching

Fun Frame Occluder Glasses

HISTORY OF THE SCHOOL NURSE VISION SCREENING TUTORIAL DVD

(www.aapos.org/ahp/resources_for_school_nurses)

AAPOS proudly partnered with the National Association of School Nurses (NASN) to develop resources to promote school vision screening and to disseminate information about common eye diseases in children.

Kathy Lee, MD, PhD, developed a School Nurse Vision Screening Tutorial for the American Academy of Ophthalmology's Leadership Development Program. The video is designed as a resource for school nurses about how to screen vision, the best practices in school vision screening, and why it's important.

Included on the School Nurse Vision Screening Tutorial DVD:

- Rationale for effective school vision screening
- Information regarding refractive errors, amblyopia, and strabismus
- Elements of a successful screening program
- Pearls and pitfalls of traditional vision screening
- Examples of preferred and non-preferred charts
- Demonstration of the proper use of objective vision screening devices (i.e., photorefractors)
- Presentation of other elements of vision screening including color, stereoacuity, and near vision
- Effective screening of children with disabilities

Dr. Lee spoke about *Efficient and Effective School Vision Screening* at the 2010 NASN Annual Conference. Download Dr. Lee's lecture from this link:

www.aapos.org/client_data/files/2011/_432_nasn1021.ppt

GUIDE FOR DISTANCE VISION EYE CHARTS LEA SYMBOLS® and HOTV:

Though this guide is for both LEA SYMBOLS[®] and HOTV optotypes, you need not complete both tests. You have the option of using LEA SYMBOLS[®] or HOTV optotypes.

Measure testing distance with 10 feet between the chart and the child's eyes.

Establish a method of communication, such as naming, signing, or pointing at the Response Panel.

Use the Response Panel close to the child to familiarize the child with the task. For LEA SYMBOLS[®], decide with the child what names will be used to identify the optotypes. If using HOTV and the child does not know the letters, use the HOTV Response Panel for matching. If you have purchased the LEA SYMBOLS[®] & HOTV Combination Flash Cards (#700031), another matching option is to place the 4 cards on the floor in front of the child and ask the child to step on the card that matches the optotype on your chart. If you use the flashcards for matching, place them in front of the child only when you are ready to screen vision. Never use the Response Panel or the flashcards to assess visual acuity.

Occlude the child's eyes with Fun Frames Occluder Glasses. If child is wearing prescription spectacles, screen with glasses on, and occluder glasses over prescription glasses. While not required, most screening begins by occluding the left eye and testing the right eye first.

Begin screening by asking the child to identify, or match, the left optotype on the 20/100 line. Do not point to the optotype and hold the pointer near the optotype while waiting for the child to identify the optotype. You can point to the line of optotypes, or briefly point beneath the optotype you want

the child to identify, and immediately remove the pointer.

Continue identifying the left optotype on each line down the chart until the child misses an optotype.

Return to the line above the missed optotype and ask the child to identify/ match optotypes on that line.

Move to the next line down and ask the child to identify/match optotypes on each line until the child misses 3 or more optotypes.

ACTUAL SIZ 10/D07		Developed by Lize Hysisines, McD. FORTESTING AT 10 FEET		204000
3		仚	Ο	0
90 19	白日			20
H	c	0 0 0) ①	38
i —	— c		o —	
ž.		000		112
8			>	
7	OOD-LITE*	CODO CO CODES		H.
Corved to VETER O				CHOOL IEALTH
	and, any loss long			
<i>b</i>	uuuu	Manner	auuuu	
4	uuuu	Py Othe Lippenan, N.D. For Tist the All to Filler	() () () () () () () () () () () () () (
CTANL SET		By Otto Lippenser, M.D. FOR TESTING AT 10 FEET	66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
Canal and		By Otto Lippenser, M.D. FOR TESTING AT 10 FEET	66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
CTANL SET		By Otto Lippenser, M.D. FOR TESTING AT 10 FEET	66 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	
	+ C	By Otto Lippenser, M.D. FOR TESTING AT 10 FEET	T + 0	inter Here internet
	+ C		T + 0 T	anar Di
	+ C		т н	100 100 100 100 100 100 100 100 100 100
	+ C		т н	47 47 48 48 48 48 48 48 48 48 48 48 48 48 48

LEA SYMBOLS® and HOTV Distance Chart

- Passing = Identifying/matching correctly 3 of 5 optotypes.
- Not Passing = Missing 3 or more optotypes.

Visual acuity is recorded as the last line on which at least 3 of 5 optotypes were identified/matched correctly.

This is a 10-foot test. The number you record is the 20-foot notation in the right margin adjacent to the last line on which 3 of 5 optotypes were identified/matched correctly.

Referral criteria will depend on your guidelines. The American Academy of Pediatrics, the American Association of Certified Orthoptists, the American Association for Pediatric Ophthalmology and Strabismus, and the American Academy of Ophthalmology recommend that children ages 3, 4, and 5 should be able to identify 3 of 5 optotypes on the **20/40 line** and children ages 6 and older should be able to identify 3 of 5 optotypes on the **20/32 line**.

GUIDE FOR DISTANCE VISION EYE CHARTS LEA NUMBERS® and Sloan Letters:

Though this guide is for both LEA NUMBERS[®] and Sloan Letters, you need not complete both tests. You have the option of using either test.

Measure testing distance with 10 feet between the chart and the child's eyes.

Occlude the child's eyes. If child is wearing prescription spectacles, screen with glasses on, and occluder over prescription glasses. While not required, most screening begins by occluding the left eye and testing the right eye first.

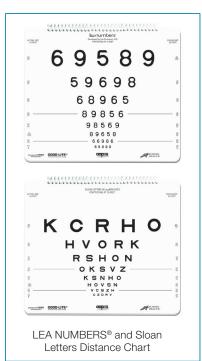
Begin by asking the child to identify the left optotype on the 20/100 line. Do not point to the optotype and hold the pointer

near the optotype while waiting for the child to identify the optotype. You can point to the line of optotypes, or briefly point beneath the optotype you want the child to identify, and immediately remove the pointer.

Continue identifying the left optotype on each line down the chart until the child misses an optotype.

Return to the line above the missed optotype and ask the child to identify optotypes on that line.

Move to the next line down and ask the child to identify optotypes on each line until the child misses 3 or more optotypes.



- Passing = Identifying/matching correctly 3 of 5 optotypes.
- Not Passing = Missing 3 or more optotypes.

Visual acuity is recorded as the last line on which at least 3 of 5 optotypes were identified correctly.

This is a 10-foot test. The number you record is the 20-foot notation in the right margin adjacent to the last line on which 3 of 5 optotypes were identified/matched correctly.

Referral criteria will depend on your guidelines. The American Academy of Pediatrics, the American Association of Certified Orthoptists, the American Association for Pediatric Ophthalmology and Strabismus, and the American Academy of Ophthalmology recommend that children ages 6 and older should be able to identify 3 of 5 optotypes on the **20/32 line**.

GUIDE FOR NEAR VISION EYE CHARTS LEA SYMBOLS® and HOTV:

Though this guide is for both LEA SYMBOLS® and HOTV optotypes, you need not complete both tests. You have the option of using LEA SYMBOLS® or HOTV optotypes. If you choose to begin near visual acuity screening with binocular testing, follow the guide for monocular testing below.

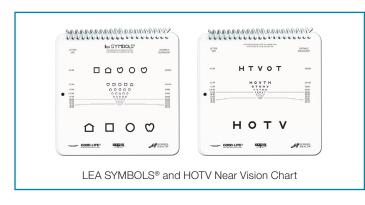
Testing distance is 16-inches between the chart and the child's eyes. Use attached cord to measure distance.

Establish a method of communication, such as naming, signing, or pointing for matching.

Use the 4 large optotypes at the bottom of the chart to familiarize the child with the task. For LEA SYMBOLS[®], decide with the child what names will be used to identify the optotypes. Matching is an option for both LEA SYMBOLS[®] and HOTV optotypes.

Occlude the child's eyes with Fun Frames Occluder Glasses. If child is wearing prescription spectacles, screen with glasses on, and occluder glasses over prescription glasses. While not required, most screening begins by occluding the left eye and testing the right eye first.

Begin by asking the child to identify, or match, the left optotype on the 20/200 line. Do not point to the optotype and hold the pointer near the optotype while waiting for the child to identify the optotype. You can point to the line of optotypes, or briefly



point beneath the optotype you want the child to identify, and immediately remove the pointer.

Continue identifying the left optotype on each line down the chart until the child misses an optotype.

Return to the line above the missed optotype and ask the child to identify/match optotypes on that line.

Move to the next line down and ask the child to identify/match optotypes on each line until the child misses 3 or more optotypes.

Passing = Identifying/matching correctly 3 of 5 optotypes.

Not Passing = Missing 3 or more optotypes.

Visual acuity is recorded as the last line on which at least 3 of 5 optotypes were identified/matched correctly.

This is a 16-inch test. The number you record is the 20-foot notation in the right margin adjacent to the last line on which 3 of 5 optotypes were identified correctly.

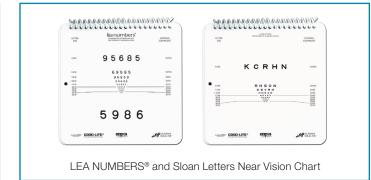
Referral criteria will depend on your guidelines. Referral criteria for near vision screening typically follows that of distance visual acuity screening. For distance visual acuity screening, the American Academy of Pediatrics, the American Association of Certified Orthoptists, the American Association for Pediatric Ophthalmology and Strabismus, and the American Academy of Ophthalmology recommend that children ages 3, 4, and 5 should be able to identify 3 of 5 optotypes on the **20/40 line** and children ages 6 and older should be able to identify 3 of 5 optotypes on the **20/32 line**.

GUIDE FOR NEAR VISION EYE CHARTS LEA NUMBERS® and Sloan Letters:

Though this guide is for both LEA NUMBERS[®] and Sloan Letters, you need not complete both tests. You have the option of using either test. If you choose to begin near visual acuity screening with binocular testing, follow the guide for monocular testing below.

Testing distance is 16-inches between the chart and the child's eyes. Use attached cord to measure distance.

Occlude the child's eyes. If child is wearing prescription spectacles, screen with glasses on, and occluder over









prescription glasses. While not required, most screening begins by occluding the left eye and testing the right eye first.

Begin by asking the child to identify the left optotype on the 20/200 line. Do not point to the optotype and hold the pointer near the optotype while waiting for the child to identify the optotype. You can point to the line of optotypes, or briefly point beneath the optotype you want the child to identify, and immediately remove the pointer.

Continue identifying the left optotype on each line down the chart until the child misses an optotype.

Return to the line above the missed optotype and ask the child to identify optotypes on that line.

Move to the next line down and ask the child to identify optotypes on each line until the child misses 3 or more optotypes.

- Passing = Identifying/matching correctly 3 of 5 optotypes.
- Not Passing = Missing 3 or more optotypes.

Visual acuity is recorded as the last line on which at least 3 of 5 optotypes were identified correctly.

This is a 16-inch test. The number you record is the 20-foot notation in the right margin adjacent to the last line on which 3 of 5 optotypes were identified correctly.

Referral criteria will depend on your guidelines. Referral criteria for near vision screening typically follows that of distance visual acuity screening. For distance visual acuity screening, the American Academy of Pediatrics, the American Association of Certified Orthoptists, the American Association for Pediatric Ophthalmology and Strabismus, and the American Academy of Ophthalmology recommend that children ages 6 and older should be able to identify 3 of 5 optotypes on the **20/32 line**.

Purchase the Near/Distance Vision Screening Kit with Tutorial DVD from either of these companies.

Good-Lite: www.good-lite.com/visionkit Part Number: 110.....\$60.00

School Health: www.schoolhealth.com/visionkit Part Number: 52842\$60.00

Additional Resources

American Association for Pediatric Ophthalmology and Strabismus www.aapos.org

AAPOS Resources for School Nurses www.aapos.org/ahp/resources_for_school_nurses

The Good-Lite Company www.good-lite.com

The Good-Lite Company's site for the School Nurse Community

www.good-lite.com/communities/schoolnurse.cfm

School Health Corporation www.schoolhealth.com

School Health Corporation Vision Screening Resources for School Nurses

www.schoolhealth.com/visionscreening





ACTUAL SIZE	Developed by Lea Hyvärinen, M.D. FOR TESTING AT 10 FEET	DISTANCE EQUIVALENT
10/50	00000	20/100
10/32		20/63
10/25	0000	20/50
10/20		20/40
10/16		20/32
10/12.5		20/25
10/10	$\bigcirc \bigcirc $	20/20
10/8	0000	20/16

Licensed by Www.leatest.com □0000

ACTUAL SIZE	HOTV IN LogMAR SIZES FOR TESTING AT 10 FEET	DISTANCE EQUIVALENT
10/50	ноvтн	20/100
10/32	түтно	20/63
10/25	V О Н V Т	20/50
10/20	отvтн	20/40
10/16	нотvо	20/32
10/12.5	тнуон	20/25
10/10	V О Н V Т	20/20
10/8	оvтнv	20/16







ACTUAL SIZE	ea-numbers Developed by Lea Hyvärinen, M.D. FOR TESTING AT 10 FEET	DISTANCE EQUIVALENT
10/50	69589	20/100
10/32	59698	20/63
10/25	6 8 9 6 5	20/50
10/20	89856	20/40
10/16	98569	20/32
10/12.5	89658	20/25
10/10	56986	20/20
10/8	65898	20/16

Licensed by <u> Test Intl, LLC</u> www.leatest.com □000

ACTUAL SIZE	SLOAN LETTERS IN LogMAR SIZES FOR TESTING AT 10 FEET	DISTANCE EQUIVALENT
10/50	KCRHO	20/100
10/32	HVORK	20/63
10/25	RSHON	20/50
10/20	OKSVZ	20/40
10/16	KSNHO	20/32
10/12.5	HOVSN	20/25
10/10	VCSZH	20/20
10/8	CZDRV	20/16

LETTER SIZE	Developed by Lea Hyvärinen, M.D. FOR TESTING AT 16 INCHES (40 CM)	DISTANCE EQUIVALENT
4.0M	$\Box \ominus \Box \circ \Box$	20/200
2.0M		20/100
1.6 M	$\bigcirc \bigcirc $	20/80
1.25 M	$\bigcirc \bigcirc $	20/63
1.0 M	$\square \square \square \square$	20/50
.80 M		20/40
.63 M	$\bigcirc \bigcirc \square \square \bigcirc \bigcirc \bigcirc$	20/32
10/8		20/25
.40M		20/20
.32 M	0000	20/16
Licensed by		
WWW.leatest.com □OO♡		
LEA Test Intl, LLČ	HOTV IN LogMAR SIZES FOR TESTING AT 16 INCHES (40 CM)	DISTANCE EQUIVALENT
LETTER		
LETTER SIZE	FOR TESTING AT 16 INCHES (40 CM)	EQUIVALENT
LETTER SIZE	FOR TESTING AT 16 INCHES (40 CM)	EQUIVALENT 20/200
LETTER SIZE 4.0M 2.0M	FOR TESTING AT 16 INCHES (40 CM) H T V O T H O V T H	EQUIVALENT 20/200 20/100
LETTER SIZE 4.0M 2.0M 1.6 M	FOR TESTING AT 16 INCHES (40 CM) H T V O T H O V T H O T O H V	EQUIVALENT 20/200 20/100 20/80
LETTER SIZE 4.0M 2.0M 1.6 M 1.25 M	FOR TESTING AT 16 INCHES (40 CM) H T V O T H O V T H O T O H V T V T H O	EQUIVALENT 20/200 20/100 20/80 20/63
LETTER SIZE 4.0M 2.0M 1.6 M 1.25 M	FOR TESTING AT 16 INCHES (40 CM) H T V O T H O V T H O T O H V T V T H O V O H V T	EQUIVALENT 20/200 20/100 20/80 20/63 20/50
LETTER SIZE 4.0M 2.0M 1.6 M 1.25 M 1.0 M .80 M	FOR TESTING AT 16 INCHES (40 CM) H T V O T H O V T H O T O H V T V T H O V O H V T O T V T H	EQUIVALENT 20/200 20/100 20/80 20/63 20/50 20/40
LETTER SIZE 4.0M 2.0M 1.6 M 1.25 M 1.0 M .80 M .63 M	FOR TESTING AT 16 INCHES (40 CM) H T V O T H O V T H O T O H V T V T H O V O H V T O T V T H H O T V O	EQUIVALENT 20/200 20/100 20/80 20/63 20/50 20/40 20/32







LETTER SIZE	Developed by Lea Hyvärinen, M.D. FOR TESTING AT 16 INCHES (40 CM)	DISTANCE EQUIVALENT
4.0M	95685	20/200
2.0M	69585	20/100
1.6 M	96859	20/80
1.25 M	59698	20/63
1.0 M	6 8 9 6 5	20/50
.80 M	8 9 8 5 6	20/40
.63 M	98569	20/32
10/8	8 9 6 5 8	20/25
.40M	56986	20/20
.32 M	65898	20/16
Licensed by		
LETTER SIZE	SLOAN LETTERS IN LogMAR SIZES FOR TESTING AT 16 INCHES (40 CM)	DISTANCE EQUIVALENT
4.0M	KCRHN	20/200
2.0M	RHSON	20/100
1.6 M	KSVRH	20/80
1.25 M	никср	20/63

1.0 M	ΝΟΥΚΟ	20/50
.80 M	DHOSZ	20/40
.63 M	VRNDO	20/32
10/8	CZHKS	20/25
.40M	ORZSK	20/20
.32 M	SCNDZ	20/16