

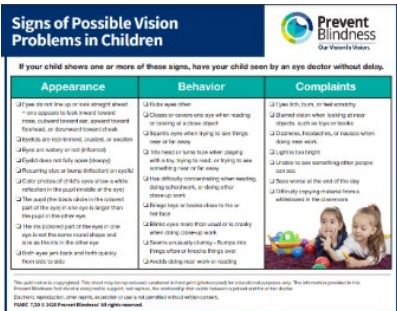
APPROPRIATE VISION SCREENING TOOL EXAMPLES

States, and even separate school districts within states, have varying vision screening procedures and protocols. The following information provides examples of evidence-based tools.

For answers to questions – nottingham@preventblindness.org


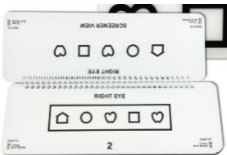
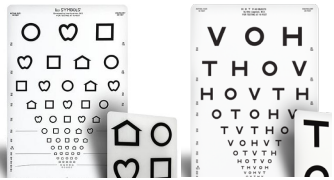
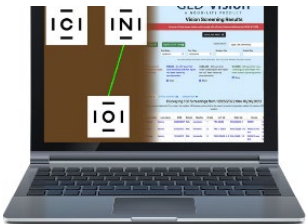
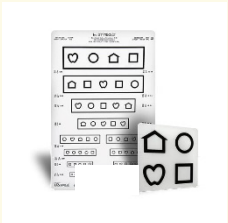




OBSERVATION / CHECKLIST APPROACH

JUNE 2025




TEST	AGES	TOOLS	OPTOTYPES	PASS	NOTES AND TIPS
Observation	All	<p>Signs of Possible Vision Problems in Children</p>  <p>English: https://nationalcenter.preventblindness.org/wp-content/uploads/sites/22/2020/10/5A-Signs-vision-problems-in-children.pdf</p> <p>Spanish: https://nationalcenter.preventblindness.org/wp-content/uploads/sites/22/2020/10/5B-Spanish-Signs-of-possible-vision-problems.pdf</p>	Observation/ checklist tool	Nothing seen	Children with one or more signs from screener observation, and/or parental or teacher concerns, should be referred for a comprehensive eye examination, even if the child passes vision screening tools.

TEST	AGES	TOOLS	OPTOTYPES	PASS	NOTES AND TIPS
18 Key Vision Developmental Milestones - Checklist	Birth to 1 st Birthday	<p>18 Vision Development Milestones From Birth to Baby's First Birthday</p> <p>P. Kay Nottingham Chaplin, EdD – Kira Baldonado, BA</p> <p>About this tool</p> <p>This document is a vision screening tool for babies' first birthday. It is intended for use by parents, pediatricians, and other eye care and education programs.</p> <ul style="list-style-type: none"> This tool includes your responses in order to track development. This tool is for use by age 1. The 1st column lists the milestones typically expected to occur for the age. The 2nd column lists the questions to ask. The 3rd column lists the questions to ask. The 4th column lists the questions to ask. <p>Instructions</p> <p>1. Read the milestones and questions carefully and mark the appropriate responses. If you are unsure if the child has met the milestone, mark the question as "Not Sure".</p> <p>2. Check the appropriate boxes in the 4th column. Some of the questions may have more than one possible answer. Check all that apply.</p> <p>3. If you are unsure if the child has met the milestone, mark the question as "Not Sure".</p> <p>4. Use the tool monthly through baby's first birthday to track vision development.</p> <p>Visual Acuity (Visual Acuity) is the ability to see objects clearly. It is measured in terms of the distance at which a person can see an object clearly. The normal range of visual acuity for a person is 20/20. A person with 20/20 visual acuity can see an object at 20 feet that is as large as it appears to be. A person with 20/40 visual acuity can see an object at 20 feet that is half as large as it appears to be. A person with 20/80 visual acuity can see an object at 20 feet that is one-fourth as large as it appears to be. A person with 20/160 visual acuity can see an object at 20 feet that is one-eighth as large as it appears to be. A person with 20/400 visual acuity can see an object at 20 feet that is one-sixteenth as large as it appears to be. A person with 20/800 visual acuity can see an object at 20 feet that is one-thirty-second as large as it appears to be. A person with 20/1600 visual acuity can see an object at 20 feet that is one-sixty-fourth as large as it appears to be. A person with 20/3200 visual acuity can see an object at 20 feet that is one-twenty-fifth as large as it appears to be. A person with 20/6400 visual acuity can see an object at 20 feet that is one-hundredth as large as it appears to be. A person with 20/12800 visual acuity can see an object at 20 feet that is one-fourth of one-hundredth as large as it appears to be. A person with 20/25600 visual acuity can see an object at 20 feet that is one-sixteenth of one-hundredth as large as it appears to be. A person with 20/51200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/102400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/204800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/409600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/819200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/1638400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/3276800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/6553600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/13107200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/26214400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/52428800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/104857600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/209715200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/419430400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/838860800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/1677721600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/3355443200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/6710886400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/13421772800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/26843545600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/53687091200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/107374182400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/214748364800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/429496729600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/858993459200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/1717986918400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/3435973836800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/6871947673600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/13743895347200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/27487790694400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/54975581388800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/109951162777600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/219902325555200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/439804651110400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/879609302220800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/1759218604441600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/3518437208883200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/7036874417766400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/14073748835532800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/28147497671065600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/56294995342131200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/112589990684262400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/225179981368524800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/450359962737049600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/900719925474099200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/1801439850948198400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/3602879701896396800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/7205759403792793600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/14411518807585587200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/28823037615171174400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/57646075230342348800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. 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A person with 20/507060240091291760598681282150400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/1014120480182583521197362564300800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/2028240960365167042394725128601600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/4056481920730334084789450257203200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/8112963841460668169578900514406400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/16225927682921336339157801028812800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/32451855365842672678315602057625600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/64903710731685345356631204115251200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/129807421463370690713262408230502400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/259614842926741381426524816461004800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/519229685853482762853049632922009600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/1038459371706965525706099265844019200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/2076918743413931051412198531688038400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/4153837486827862102824397063376076800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/8307674973655724205648794126752153600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/16615349947311448411297588253504307200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/33230699894622896822595176507008614400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/66461399789245793645190353014017228800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/132922799578491587290380706028034457600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/265845599156983174580761412056068915200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/531691198313966349161522824112137830400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/1063382396627932698323045648224275660800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/2126764793255865396646091296448551321600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/4253529586511730793292182592897102643200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/8507059173023461586584365185794205286400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/17014118346046923173168730371588410572800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/34028236692093846346337460743176821145600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/68056473384187692692674921486353642291200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/136112946768375385385349842972707284582400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/272225893536750770770699685945414569164800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/544451787073501541541399371890829138329600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/1088903574147003083082798743781658276659200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/2177807148294006166165597487563316553318400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/4355614296588012332331194975126633106636800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/8711228593176024664662389950253266213273600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/17422457186352049329324779900506524426547200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/34844914372704098658649559801013048853094400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/69689828745408197317299119602026097706188800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/139379657490816394634598239204052195412377600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/278759314981632789269196478408104390824755200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/557518629963265578538392956816208781649510400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/1115037259926531157076785913632417563299020800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/2230074519853062314153571827264835126598041600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/4460149039706124628307143654529670253196083200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/8920298079412249256614287309059340506392166400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/17840596158824498513228574618118681012784332800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/35681192317648997026457149236237362025568665600 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/71362384635297994052914298472474724051137331200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/142724769270595988105828596944949448102274662400 visual acuity can see an object at 20 feet that is one-sixty-fourth of one-hundredth as large as it appears to be. A person with 20/285449538541191976211657193889898896204549324800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/570899077082383952423314387779797792409098649600 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/1141798154164767904846628775559595584818197299200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/2283596308329535809693257551119191169636394598400 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/4567192616659071619386515102238382339272789196800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/9134385233318143238773030204476764678545578393600 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/18268770466636286477546060408953529357091156787200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/36537540933272572955092120817907058714182313574400 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/73075081866545145910184241635814117428364627148800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/146150163733090291820368483271628238456729254297600 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/292300327466180583640736966543256476913458508595200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/584600654932361167281473933086512953826917017190400 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/1169201309864722334562947866173025907653834034380800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/2338402619729444669125895732346051815307668068761600 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/4676805239458889338251791464692103630615336137523200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/9353610478917778676503582929384207261230672275046400 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/18707220957835557353007165858768414522461344550092800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/37414441915671114706014331717536829044922689100185600 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/74828883831342229412028663435073658089845378200371200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/149657767662684458824057326870147316179690756400742400 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/299315535325368917648114653740294632359381512801484800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/598631070650737835296229307480589264718763025602969600 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/1197262141301475670592458614961178529437526051205939200 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/2394524282602951341184917229922357058875052102411878400 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears to be. A person with 20/4789048565205902682369834459844714117750104204823756800 visual acuity can see an object at 20 feet that is one-thirty-second of one-hundredth as large as it appears</p>			

OPTOTYPE-BASED SCREENING APPROACH

TEST	AGES	TOOLS	OPTOTYPES	PASS	NOTES AND TIPS
Distance Visual Acuity	3, 4, 5, and 6 years	<p>Single, surrounded optotypes in wheels or flip charts at 5 feet.</p>  <p>LEA SYMBOLS® portion of Sight Line at 10 feet in critical line format.</p>  <p>9 x 14 charts</p>  <p>Screening software with single, surrounded optotypes at 10 feet.</p> 	<p>LEA SYMBOLS® or HOTV letters</p> <p>Additional 9 x 14 charts</p>   <p>Response panels for playing matching game.</p>  	<p>3yo – 20/50 line</p> <p>4 and 5yo – 20/40 line</p> <p>6yo and older – 20/32 line</p>	<p>Screen annually.</p> <p>Measure 10-foot screening distance between chart and child's eyes.</p> <p>Place arches of child's feet on the line when measuring the 10-foot distance, not heels or toes.</p> <p>Screen one eye at a time.</p> <p>Rescreen as soon as possible and no later than 6 months with the same screening tool.</p> <p>Refer to an eye care provider (pediatric optometrist, optometrist, pediatric ophthalmologist, or ophthalmologist) with experience examining young children.</p> <p>Use 9 x 14 charts in an illuminated cabinet (e.g., ESV1200 below) or place on a wall in a well-lit room.</p> 

OPTOTYPE-BASED SCREENING APPROACH (Continued)

TEST	AGES	TOOLS	OPTOTYPES	PASS	NOTES AND TIPS
Distance Visual Acuity	Beginning at age 6 or 7 years, depending on when children can identify letters in random order	<p>Tests of visual acuity at 10 feet, using standardized format.</p> <p>If you draw a line around the outside of the optotypes, the line will resemble an upside-down pyramid and not a rectangle.</p> <p>No more than 5 optotypes per line, unless using a 9" x 14" chart.</p> <p>Test of visual acuity should be 10 feet, not 20 feet, AND should have a 20/32 (10/16) line, not a 20/30 line.</p> 	<p>Sloan Letters</p> <p>Response panel of Sloan Letters for students who use English as a second language and may need to match optotypes.</p> 	More than half of optotypes on 20/32 line with each eye (e.g., 3 of 5 optotypes)	<p>Bright Futures recommends vision screening for well-child medical visits at ages 8, 10, 12, and 15 years.</p> <p>Measure 10-foot screening distance between chart and child's eyes.</p> <p>Place arch of child's foot on the line when measuring the 10-foot distance, not heels or toes.</p> <p>Screen one eye at a time.</p> <p>Rescreen as soon as possible and no later than 6 months with the same screening tool.</p> <p>Refer to an eye care provider (pediatric optometrist, optometrist, pediatric ophthalmologist, or ophthalmologist) with experience examining school-age children.</p> <p>Use a 9 x 14 Sloan Letters chart in an illuminated cabinet (e.g., ESV1200 below) or place it on a wall in a well-lit room.</p> 

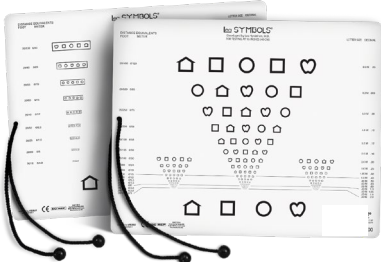


OPTOTYPE-BASED SCREENING APPROACH (Continued)

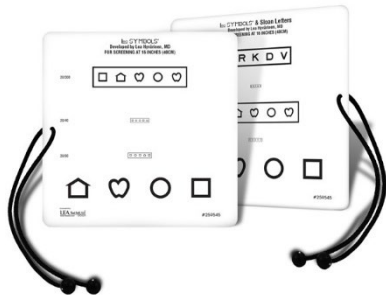


TEST	AGES	TOOLS	OPTOTYPES	PASS	NOTES AND TIPS
Distance Visual Acuity	All ages beginning at age 3 years	<p>Tests of visual acuity at 10 feet for threshold and critical line screening.</p> <p>AAPOS Basic Vision Screening Kit</p>	<p>LEA SYMBOLS[®] and Sloan Letters</p> <p>Also available with HOTV and Sloan Letters</p>	Follow the instructions in the kits	<p>Measure 10-foot screening distance between chart and child's eyes.</p> <p>Place arch of child's foot on the line when measuring the 10-foot distance, not heels or toes.</p> <p>Screen one eye at a time.</p> <p>Rescreen as soon as possible and no later than 6 months with the same screening tool.</p> <p>Refer to an eye care provider (pediatric optometrist, optometrist, pediatric ophthalmologist, or ophthalmologist) with experience examining preschool- and school-age children.</p>




INSTRUMENT-BASED SCREENING APPROACH

- For ages 1 and 2 years.
- As an alternative for optotype-based screening for ages 3, 4, and 5 years, with an evidence-based eye chart and approved occluders as a backup if an instrument reading cannot be captured.
- Not currently recommended for ages 6 years and older because of insufficient data.
- Prevent Blindness does not provide information on specific devices to use but can provide technical assistance on what to look for when purchasing devices.

RECOMMENDATIONS FOR MISCELLANEOUS MANDATED SCREENING COMPONENTS

TEST	AGES	TOOLS	OPTOTYPES	PASS	NOTES AND TIPS
<p>Near visual acuity screening</p> <p>Critical line</p> <p>Binocularly</p>	3, 4, and 5 years	<p>LEA SYMBOLS® near chart with 16-inch cord</p>  <p>HOTV near chart with 16-inch cord</p> 	<p>LEA SYMBOLS® or HOTV letters</p>	<p>Correct identification of 3 optotypes on age-matched lines</p> <p>3 yo – 20/50 line</p> <p>4 and 5 yo – 20/40 line</p>	<p>Plus lens testing is <u>not</u> a near visual acuity test.</p> <p>Can conduct full threshold screening (starting at top line and moving down the chart) one eye at a time OR critical line screening with each eye individually, or with both eyes open.</p> <p>Hold cord at child's temple.</p> <p>Ensure cord remains tight to prevent child from moving closer to or farther away from the chart.</p>
<p>Near visual acuity screening</p> <p>Critical line</p> <p>Binocularly</p>	6 years and older or when children know letters in random order	<p>Sloan letters</p> 	Sloan letters	<p>Correct identification of 3 optotypes on 20/32 line</p>	<p>Plus lens testing is <u>not</u> a near visual acuity test.</p> <p>Can conduct full threshold screening (starting at top line and moving down the chart) one eye at a time OR critical line screening with each eye individually, or with both eyes open.</p> <p>Hold cord at child's temple. Ensure cord remains tight to prevent child from moving closer to or farther away from the chart.</p>

<p>Near visual acuity screening</p> <p>Critical line</p> <p>Binocularly</p>	<p>3 years and older, including 6 years and older</p>	<p>LEA SYMBOLS® and Sloan letters near critical line chart with 16-inch cord</p> 	<p>LEA SYMBOLS® and Sloan letters</p>	<p>Correctly identify 3 of 5 optotypes for:</p> <p>3yo – 20/50 line</p> <p>4yo – 20/40 line</p> <p>5yo and older – 20/32 line</p>	<p>If using Sloan letters 20/32 line and child does not know letters in random order, move down one line on same side of chart to the LEA SYMBOLS® 20/32 line for children aged 5 years and older.</p> <p>Hold cord at child's temple. Ensure cord remains tight to prevent child from moving closer to or farther away from the chart.</p>
<p>Stereopsis</p>	<p>All</p>	<p>PASS Test™ 2</p> 	<p>NA</p>	<p>3yo and 4yo – pass Card B (no testing with Card C)</p> <p>5yo and older – pass Cards B and C</p>	<p>If student wears prescription glasses and you do not know the reason, place polarized glasses over prescription glasses when screening. You may need a larger set of polarized glasses. If the child cannot see the 3-D image, then try conducting the test without the child wearing their glasses.</p> <p>Ensure no glare or shadow on cards. Hold cards with edges of fingertips. Tilt cards slightly backward – about a 10-degree tilt.</p>
<p>Color Vision Deficiency Screening</p>	<p>3 years and older</p>	<p>Book with pseudoisochromatic plates.</p> 	<p>Symbols and letters</p>	<p>Follow manufacturer instructions</p>	<p>Replace book every 7 years; colors desaturate over time.</p> <p>Use cotton swab or brush for pointing or tracing the image as oil from fingertips will desaturate colors.</p> <p>Ensure tool selected is for screening purposes only vs. a diagnostic tool.</p>

Color Vision Deficiency Screening	3 years and older	<p>Waggoner Color Vision Testing Made Easy</p> 	Symbols	Follow manufacturer instructions	<p>Replace book every 7 years; colors desaturate over time.</p> <p>Use cotton swab or brush for pointing or tracing the image as oil from fingertips will desaturate colors.</p> <p>Ensure tool selected is for screening purposes only vs. a diagnostic tool.</p>
Occluders	3 years to 10 years	<p>Occluders</p> 	NA	NA	<p><u>Preferred</u> occluders = adhesive patches, 2-inch-wide hypoallergenic surgical tape, or occluder glasses.</p> <p><u>Unacceptable</u> occluders include: Tissues, hands, paper or plastic cups, paper occluders, adults holding occluders over child's eyes, and occluder paddles.</p>
Occluders	10 years and older	<p>"Mardi Gras mask" or "Lollypop" occluders.</p> 	NA	NA	<p><u>Unacceptable</u> occluders include: Tissues, hands, paper or plastic cups, paper occluders, adults holding occluders over child's eyes.</p> <p>Hold "lollypop" occluders with handle toward temple, not chin.</p>



Vision Screening Certification

Information for Prevent Blindness's nationally recognized online vision screening certification course that you can complete online at your own pace.

Earn 3-year national certification and 5 contact hours for professional development.

Prevent Blindness Children's Vision Screening Certification Course

<https://nationalcenter.preventblindness.org/prevent-blindness-childrens-vision-screening-certification-course/>

Questions? nottingham@preventblindness.org [800] 331.2020



**National Center
for Children's Vision
and Eye Health**

Prevent Blindness

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