

Table 4: Guidelines for Objective Screening

Vision Screen	Ages Screened	Possible Screening Methods +	Score: Pass	Score: Fail
ACUITY Define: a) Sharpness of vision b) Ability of eye to perceive detail c) Discrimination of form	4 through 20 years	1. EYE CHART	20/20, 20/30 or better, 10/10, 10/15 or better	20/40 or 10/20 or worse in either eye
		2. TITMUS TESTER SLIDES a) "BRL: (both, right, left)	Can read 20/20 or 20/30 line or better	20/40/ or 10/20 or worse in either eye
		b) Tumbling "E"	Can identify "direction" of "E" at 20/20 or 20/30 line	20/40/ or 10/20 or worse in either eye
		c) Allen Picture Slides	Can name pictures at 20/20 or 20/30 line	20/40/ or 10/20 or worse in either eye
		3. LITE HOUSE CARDS, pictures of umbrella, house, apple	Can name picture at 20/20, or 20/30, or 10/10, 10/15	20/40/ or 10/20 or worse in either eye
		4. Other equipment with Dept. Approval		
MUSCLE BALANCE a) Coordinated use of 6 extra-ocular muscles controlling the movement of each eye. Symptoms of muscle balance include: amblyopia, strabismus, "crossed-eyes" or trophias.	4 through 20 years NOTE: Providers should attempt the cover/uncover screen on children as young as 1 and 2 yrs. NOTE: Done at near (14 in.) & far (20 ft.) distance	1. Monocular cover test using eye occluder	No eye movement in uncovered eye	Eye movement in uncovered eye
		2. Titmus Tester Slides a) Box/ball slide (maddix rod) or b) Picnic slide	Sees ball in box	Sees ball out of box, do cover test before making referral
			Sees ball on table	Sees ball off of table, do cover test before making referral
VISUAL FUSION- "binocularity" Define: a) Ability of both eyes to operate together b) Coordinating use of both eyes c) Depth perception	Ages 4,5,6	1. Worth 4-dot Flashlight	Counts/points to four dots (place colored lens: "Red" over "Right eye")	Sees more or less than four dots
		2. Hand held Titmus Fly or Titmus Reindeer	Pinch wing/nose above and not touching picture	Touches wings/nose flush against picture
		3. Titmus Tester Slides a) 3 tumbling "E's" or b) Allen Picture Slides	Sees 3 "figures " (E's)	Sees 2 or 4 figures; unable to see 3 figures
			Can name four pictures	
HYPEROPIA "Farsightedness" a) Visual image falls behind retina Symptoms in children are: visual stress/fatigue with reading material, therefore, difficulty with keeping attention	Age 7 through 20 years If visual acuity yields 20/50 or worse, do not attempt hyperopia screen. Refer directly for eye examination.	1. BERNELL PLUS LENS (+1.75 diopters) stand patient at 20 feet from eye chart	20/30/ chart line is viewed as "blurry"	Able to read the 20/30 line/figures while looking through lens; therefore they "need" the lens
		2. TITMUS TESTER- use any acuity lens; switch FAR knob on; place plus lens in slot on machine. If vision is 20/50 or worse do not do hyperopia screen; make direct referral	20/30 eye chart line is blurry; If a child is UNABLE to read the 20/20 or 20/30 line through plus lens, the child has normal vision	Able to read the 20/30 line/figures while looking through lens; If child succeeds in reading the screening symbols through lens, he fails and therefore needs the lens