

PEEK-A-BOO SERIES
PRE-SCHOOL CHILDREN'S
VISION SCREENING

Instruction Manual



for use with Keystone Telebinocular

INSTRUCTION MANUAL

This test battery is designed to test the visual abilities of children between the ages of 3 and 6. It can also be used on older children with specific learning disabilities and those who are mentally challenged. The child is manually presented with the recognition card and is asked to identify all the test items to confirm his/her familiarity with the test symbols. It is suggested that the examiner use a pointer. A pick-up stick attracts the child's attention and helps to localize the items to be identified. The record sheet indicates monocular response and suppression as well as the expected binocular results. A pass/fail column on the right hand side of the sheet is for quick viewing by the examiner. The test set incorporates many suppression controls, since the test targets present a somewhat different view to each eye. Test No.3, Fusion, is especially significant in screening for suppression and potential amblyopia. The two clown heads are gross visual targets. If only one is seen wearing either a hat or bowtie, suppression is indicated. One clown wearing both bowtie and hat is the normal response.

Far Point Setting

1. The visual acuity card is presented in the Telebinocular on the far setting. The V.A. equivalents for preschool children of this card are 20/100, 20/70, and 20/40. Each eye is tested separately, but while both are open and seeing. If the child has trouble looking through the two lenses properly, momentarily occlude one eye and then the other. Continue testing. All figures should be identified for a passing score. Use the recognition card if verbal response is hard to obtain. Use of the pointer is also helpful.
2. Lateral coordination on the far setting indicates a normal range, convergent or divergent tendencies. Normal response is the clown pointing to the flower, house, and tree or between the flower and house; house and tree. The child fails if the response is in the gray columns, or nearer the symbols in the gray column than those in the clear column.
3. Fusion card shows at least 70% fusional ability when one clown is seen wearing a hat and a bow tie. A crossed or uncrossed diplopia response can be compared with lateral coordination card. If the eyes tend to overconverge, two clowns will be seen-the clown on the right

will be wearing the hat. If the eyes tend to underconverge, the clown wearing the hat will be on the left. If one clown is seen wearing only a hat or only a bowtie, suppression is indicated.

4. This is an optional test. It screens two skills which may not be fully developed in the very young—stereopsis and color perception. Colors to be identified are the primary colors—red, green, blue and yellow. The child can identify the balloon that's closer or farther away by color or symbol.
5. Vertical coordination card at far setting has clown pointing to middle item. A response above or below is failing.

Near Point Setting

6. Move the same vertical coordination test card used at far to the near setting. The clown should still point to the middle item for passing.
7. Fusion at near point, diplopia or suppression is recorded accordingly. See Test No.3.
8. Lateral coordination test card. This test is given the same way as Test No.2. The passing range is greater because this skill at near point may not be fully developed in young children.
9. Visual acuity at the near setting has the preschool child acuity equivalent of 20/100, 20/70, and 20/40. See Test No.1 for proper procedure. All items should be identified for a passing score.

Note

In recent years the National Society for the Prevention of Blindness and other groups have placed an emphasis on the screening of preschool children in an attempt to discover early those visual problems which may eventually lead to the development of amblyopia, "lazy eye", in children. Another current trend is to discover those children who may be visually immature in the skills required for reading and other close school tasks.

The Peek-A-Boo Series pass/fail values are based on published recommendations and confirmed in years of pediatric optometric practice by Dr. Patricia Hall, the test's author.

Since the preschool child's eyes are undergoing a period of development, the criteria for referral are much higher than for school children.

General criteria for referral of preschool children through second grade:

1. Visual acuity-20/40 or poorer, either eye.
2. Any tropia
3. Five-prism diopters exophoria, 6-prism diopters esophoria. (Peek-A-Boo Record Form 5524 reflects these criteria.)

The Peek-A-Boo series is also designed to allow the examiner to solicit an accurate response from the child being tested. The symbols used throughout the tests are familiar to most children and can be easily recognized. The use of the recognition chart and pointer can also be helpful.

Record forms may be ordered in pads of 100 from:

Mast Concepts, Inc.

dba Keystone View

2200 Dickerson Road

Reno, Nevada 89503

Tel.: 800-806-6569***fax: 800-893-9018***e-mail: sales@keystoneview.com

TEST QUESTIONS

Far Point Tests:

No.1 Point to each item. Ask, "What is this?" or "This is a picture of a _____." (Child completes sentences). All items should be identified for passing score.

No.2 "To what is the clown pointing?" or "The clown is pointing to the _____." (Child answers).

No.3 "How many clowns do you see?" If one; "Is the clown wearing a hat, a bowtie, or both?" If two clowns are seen; "On which side is the clown wearing the hat?" Alternately touch the child's right and left shoulders and asks, "Is it this side or this side?"

No.4 "There are four balloons above the clown. One balloon is closer to you than the others. Which one?" Child may respond by indicating color or symbol. "One of the balloons is farther away from you. Which one? Can you tell me the color of each balloon?"

No.5 "The clown is pointing to the _____."

Near Point Tests:

No.6 Same as No.5

No.7 Same as No.3

No.8 Same as No.2

No.9 Same as No.1

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