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The Vision in Preschoolers Study Group. Comparison of Preschool Vision Screening Tests as Administered by Licensed Eye Care Professionals in the Vision in Preschoolers Study. *Ophthalmology* 2004;111:637-650. Preschool Vision Screening Tests Administered by Nurse Screeners Compared with Lay Screeners in the Vision in Preschoolers Study. *Invest Ophthalmol Vis Sci* 2005;46:2639-2648.

F2 Color Vision Test

What Are You Testing?

The F2 Color Vision Test is used to test how well children can see colors. In this test, the child will have to find hidden black, green, or blue squares.

What You Need to Do the Test:

1. Color vision test with 4 cards (a background card, a training card with a black square, a test card with a blue square, and a test card with a green square).
2. True Daylight Illuminator (Illuminant C) lamp with test card holder base.
3. The Freeman flip-top seat in the waiting area of the van.
4. Measuring tape.
5. Masking tape to make an "X" on the floor.

Getting Ready:

1. Place the lamp on the Freeman seat so that the lamp base rests against the back of the seat. Secure the lamp in place with the seat belt.
2. With masking tape, make an "X" on the floor so that the "X" is 40 cm from where the test card holder sits on the chair. The child will stand during testing.
3. Put the card with the black square and the background card with the purple dots side by side on the lamp test card holder base facing the child.

How You Do the Test:

1. You will use 2 cards at a time in this test. In the training phase, the card with the black square is paired with the card with purple dots. In the testing phase, the card with the green square is paired with the card with the purple dots. Next, the card with the blue square is paired with the card with the purple dots.
2. Turn on the True Daylight Illuminator lamp.
3. Place the card with the black square and the card with the purple dots side by side on the test card holder. Ask the child to point to the card with the black square. Pick up the cards and shuffle them away from the child. Put the cards back down side-by-side and once again ask the child to point to the card with the black square. Present the 2 cards

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in this manner up to 5 times, mixing up the left-right position of the 2 cards. Indicate on the data form (1) if the child is able to identify the location of the black square on at least 4 of the 5 presentations or (2) if the child is **“Unable”** to do the test.

4. If the child is **“Unable”** to do the test, indicate that appropriately on the data form and stop the test.
5. Place the card with the green square and the card with the purple dots side-by-side on the table. Ask the child to point to the card with the green square. Pick up the cards and shuffle them away from the child. Put the cards back down side-by-side and once again ask the child to point to the card with the green square. Present the 2 cards in this manner up to 5 times, mixing up the left-right position of the 2 cards. Indicate on the data form (1) if the child is able to identify the location of the green square on at least 4 of the 5 presentations, (2) if the child does not identify the location of the green square on at least 4 of the 5 presentations, or (3) if the test is **“Incomplete”** (e.g., due to poor behavior or inattention).
6. Next, place the card with the blue square and the card with the purple dots side-by-side on the table and ask the child to point to the card with the blue square. Do this up to 5 times, mixing up the left-right position of the 2 cards each time. Indicate on the data form (1) if the child is able to identify the location of the blue square on at least 4 of the 5 presentations, (2) if the child does not identify the location of the blue square on at least 4 of the presentations, or (3) if the test is **“Incomplete.”**

What You Tell the Child:

1. Tell the child to stand on the “X.”
2. Be sure the child stands straight.
3. Ask the child to find the black square at least 4 and up to 5 times.
4. Ask the child to find the green square at least 4 and up to 5 times.
5. Ask the child to find the blue square at least 4 and up to 5 times.

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What You Write Down:

1. Record whether the child is able to find the black square at least 4 times or is “**Unable**” to do the procedure.
2. Record whether the child finds the green square at least 4 times, does not find the green square at least 4 times, or if the test is “**Incomplete.**”
3. Record whether the child finds the blue square at least 4 times, does not find the blue square at least 4 times, or if the test is “**Incomplete.**”

Remember!

1. Turn on the True Daylight Illuminator lamp.
2. Start with the black square.
3. Remember to place both cards under the True Daylight Illuminator lamp so that they can be easily seen without glare from overhead lights.