



FLOYD COUNTY BOARD OF EDUCATION
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William Newsome, Jr., Vice-Chair - District 3
Dr. Chandra Varia, Member- District 2
Keith Smallwood, Member - District 4
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Consent Agenda Item (Action Item): Review and approve University of Pikeville Ophthalmology Program faculty and advanced ophthalmology students to perform comprehensive vision screening on students enrolled in 3rd and 5th grades.

Applicable State or Regulations: KRS 702 1:160

Fiscal/Budgetary Impact: No financial commitment or obligation for Floyd County Schools

History/Background: According to the American Optometric Association, one in five school-aged children have a vision problem, and one in four need corrective lenses for these visual issues in the United States. Approximately 2% of population demonstrates amblyopia or a lazy eye while 3% of the population has strabismus or an eye turn. As vision problems can worsen with age, it is important that these visual problems are diagnosed and treated in a timely manner to optimize visual function and prognosis. Vision problems can affect a child's development, learning, and social interactions, and identification is especially important to children with learning, development, or intellectual disabilities.

Recommended Action: With approval of the Floyd County Board of Education the University of Pikeville Ophthalmology program will provide vision screenings for 3rd and 5th grade students in Floyd County elementary schools. According to the Matrix of Health Services (see attached), a vision screening should be performed in school for 3rd and 5th grade to assess visual status. Upon approval communication regarding the vision screenings will be coordinated through the family resource center directors at each of the Floyd County elementary schools. Vision screening dates for each school will occur in the fall of 2022. Given the optometry student and faculty's availability, these dates will likely occur on Wednesday and Friday mornings in October through December. Parent consent will be obtained prior to screenings.

Contact Person(s): Annette Harris, RN M.S. Ed, Floyd County Schools District Health Coordinator. Rachel Fitzgerald, OD Assistant Professor of Optometry University of Pikeville Kentucky College of Optometry


Director

Date: _____


Superintendent

Date: 6/15/22

UNIVERSITY OF PIKEVILLE

KENTUCKY COLLEGE OF OPTOMETRY

Floyd County Board of Education - Vision Screening Proposal

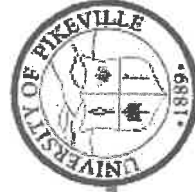
Dr. Rachel Fitzgerald
UPIKE Kentucky College of Optometry

Program Significance: According to the American Optometric Association, one in five school-aged children have a vision problem, and one in four need corrective lenses for these visual issues in the United States. Approximately 2% of population demonstrates amblyopia or a lazy eye while 3% of the population has strabismus or an eye turn¹. As vision problems can worsen with age, it is important that these visual problems are diagnosed and treated in a timely manner to optimize visual function and prognosis. Vision problems can affect a child's development, learning, and social interactions, and identification is especially important to children with learning, development, or intellectual disabilities.

Vision Screening Information: Routine vision screenings are important to determine if a child has developed a new vision problem such as the need for glasses, a lazy eye or eye turn, and any ocular health issues after starting school. Our Kentucky College of Optometry (KYCO) vision screenings are performed by second-year optometry students and overseen/checked by one of our pediatric optometrists typically using a large classroom or gym. While this screening does not constitute nor include a complete, dilated eye exam, this 15-to-20-minute vision screening will assess visual acuity, depth perception, color vision, eye alignment, refractive error, and ocular health. We utilize individual stations for these tests and can usually examine an entire classroom in 45 minutes or less. At the end of the screening, we will complete a report of the child's findings to be sent home to parents and email the family resource directors the overall results and any recommendations for further comprehensive examinations at their local eye provider.

Past Screening Results: Since Fall 2017, the Kentucky College of Optometry has partnered with the Pike County Board of Education and Pikeville Independent Schools to provide vision screenings to 3rd and 5th grade students. During this time, we have examined 2,628 elementary school students. Historically, our referral rate has been 28%, but this rate has increased to 34% in during the COVID-19 pandemic. We believe that many parents have not been seeking medical care as often during the pandemic, and these vision screenings play a vital role in identifying visual issues that could impact a student's performance in school. With these screenings, we can help to make parents and educators aware of any visual problems and refer them to a local eye care provider for further assessment and possible treatment.

Vision Screening Proposal: With approval of the Floyd County Board of Education, we would like to provide vision screenings for 3rd and 5th grade students in Floyd County elementary schools. According to the Matrix of Health Services (see attached), a vision screening should be performed in school for 3rd and 5th grade to assess visual status. With approval, we will communicate with the family resource directors at each of the Floyd County elementary schools and finalize a vision screening date for each school in Fall 2022. Given our optometry student and faculty's availability, these dates will likely occur on Wednesday and Friday mornings in October through December.



The Leading University

of Central Appalachia

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Health and Safety: To address school visitor concerns, all optometry students are required to complete a background check prior to starting at KYCO. Our administrative staff uses a system to store all of this information including immunizations (TB, Hepatitis B, flu, etc) and frequently monitors it to ensure that these documents remain current. This documentation would be available if needed for approval. Additionally, pending the status of the COVID-19 pandemic, we have established a COVID-19 protocol for our vision screenings, and per the discretion of the board, we will implement any necessary safety precautions for the health of the elementary school students and staff. This protocol was used for all 2020 and 2021 school vision screenings and follows all CDC recommendations for proper hygiene including checking temperatures of all participants at the screening along with all optometry students and faculty wearing surgical masks and gloves during the screening. We also encourage all KYCO students and staff to be vaccinated and boosted, and almost all have complied with this recommendation.

We are very excited for the opportunity to work more closely with Floyd County schools. We believe that this program has had a positive impact on the children of Pike County and hope to have a similar outcome in Floyd County.

Please contact Dr. Rachel Fitzgerald with any questions or for any further information.

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Kentucky College of Optometry
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1 AOA Optometric Clinical Practice Guidelines: Comprehensive Pediatric Eye and Vision Examination. 2017. Retrieved from <https://www.aoa.org/optometrists/tools-and-resources/clinical-care-publications/clinical-practice-guidelines>.



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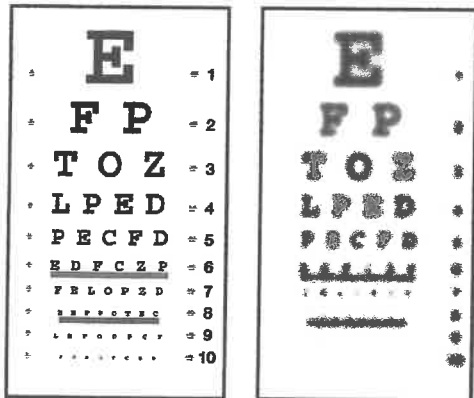
VISION AND LEARNING

How could vision problems affect a child's school performance?

Undiagnosed vision problems can be a barrier to a child reaching his/her full potential in school. Most classroom learning depends on the visual system. Undiagnosed visual problems may have a significant impact on a child's school performance.

Signs that your child may have a vision problem:

- > Blurred vision
- > Burning or itching eyes
- > Clumsiness or poor hand-eye coordination
- > Head tilt or turn
- > Decreased performance in school or sports
- > Headaches
- > Double vision
- > Inability to concentrate
- > Skipping lines while reading



Clear vs. Blurry Vision

COMMON QUESTIONS ABOUT CHILDREN'S EYE CARE

How often should my child have an eye exam?

The American Optometric Association and American Public Health Association recommend that children receive a comprehensive eye examination every year after entering Kindergarten.

AOA also recommends children receive an eye exam at:

- > 6-12 months old
- > 3 years old
- > Prior to starting school

My child sees 20/20. Does he/she still need an eye exam?

A child who can see 20/20 can still have a vision problem. The visual skills needed for successful reading and learning are much more complex. These skills include eye tracking, teaming, and focusing.

Don't wait until your child isn't seeing well - the earlier a vision problem is detected and treated, the more likely treatment will be successful.



COMMON VISUAL TERMS*

- > **Nearsightedness** – A vision condition in which close objects are seen clearly, but objects farther away are blurred.
- > **Farsightedness** – A vision condition in which distant objects are seen clearly, but close objects are blurred. *This can also cause headaches, eye strain, and strabismus.*
- > **Astigmatism** – A vision condition that causes blurred vision due either to the irregular shape of the cornea (the clear front cover of the eye).
- > **Amblyopia (lazy eye)** – A loss or lack of development of normal vision. *The eyes may even look normal to parents and teachers. If your family has a history of lazy eye, your child should have a comprehensive eye exam.*
- > **Strabismus (crossed eyes)** – A condition in which both eyes do not look at the same place at the same time.



Depending on the type and severity, strabismus may be corrected with eye glasses, vision therapy, or eye muscle surgery.

*Definitions provided by the American Optometric Association at <https://www.aoa.org/patients-and-public/eye-and-vision-problems/glossary-of-eye-and-vision-conditions?ss=0>

KENTUCKY COLLEGE OF OPTOMETRY

KENTUCKY COLLEGE OF OPTOMETRY VISION SCREENING INFORMATION LETTER

Dear Parent or Guardian:

The University of Pikeville's Kentucky College of Optometry, in coordination with the Board of Education, will offer free vision screenings for your child during the school year. Even though a vision examination was required when your child first entered Kindergarten, this vision screening is important to determine if your child has developed a new vision problem. Multiple studies have shown that vision can change as your child grows and undetected vision problems can prevent a child from reaching their reading potential and consequently cause a child to fall behind in their learning.

The State of Kentucky recommends yearly vision screenings for third and fifth grade students. With this vision screening, your child will be screened for vision problems such as the need for glasses, an eye turn, or lazy eye; however, this eye screening does not constitute nor include a complete, dilated eye exam. If your child does not pass the vision screening, a report will be sent to you recommending a comprehensive eye examination for assessment and possible treatment.

The screenings are conducted by a licensed optometrist along with optometry students from the Kentucky College of Optometry. These vision screenings are a free service, and NO insurance will be billed. During these vision screenings, some photos may be taken and used in vision promotion materials.

Additionally, the Kentucky College of Optometry is conducting a research study using the results of these screenings to assess the prevalence of pediatric eye conditions in the region. By agreeing to participate in the vision screening, the results of your child's vision screening will be deidentified and used in this study.

If you have any questions regarding the upcoming screening, please feel free to contact us.

Rachel Fitzgerald, OD, FAAO

Assistant Professor

UPIKE Kentucky College of Optometry

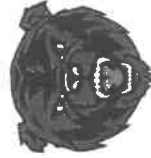
Phone: 606-218-5532

Sharon Blackburn

Clinical Operations Manager

UPIKE Kentucky College of Optometry

Phone: 606-218-5528



KENTUCKY COLLEGE OF OPTOMETRY VISION SCREENING CONSENT FORM

If you would like for your child to receive a free vision screening provided by the Kentucky College of Optometry, please fill out this form and return to your child's school.

Child's Name:

Last

First

Date of Birth (month/day/year):

Sex (circle): Male // Female Race: White // Black/African American // American Indian // Asian // Other

Parent/Guardian:

Phone number:

When was your child's last comprehensive eye exam?

Do you think your child has a vision problem (circle)? Yes // No If yes, what is the problem?

Does your child wear glasses (circle)? Yes // No If Yes, how old are the glasses?

By signing this form, I understand the terms above and consent to the vision screening provided by the Kentucky College of Optometry.

Signature of Parent or Guardian

Relationship to Patient

Date

Vision Screening Results

Date: _____

Name: _____

Distance Visual Acuity:

Right Eye: 20/_____

Left Eye: 20/_____

Stereopsis (Depth Perception):

☐ Pass ☐ Fail

Eye Alignment: ☐ Pass ☐ Fail

Eye Health: ☐ Pass ☐ Fail

Overall: ☐ Pass ☐ Recommend
Referral

Reason for referral: _____



KYCO has partnered with your child's school to provide this vision screening. If you have any questions regarding your child's screening, please contact:

Sharon Blackburn
(606) 218-5528
sharonblackburn@upike.edu

UNIVERSITY OF PIKEVILLE KENTUCKY COLLEGE OF OPTOMETRY

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The University of Pikeville is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate, baccalaureate, masters and doctorate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of the University of Pikeville.

Rev. 08/2017

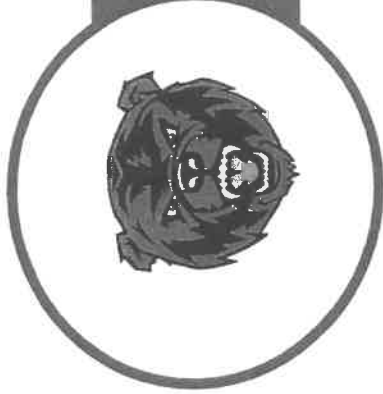
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School Vision Screening



Please note this screening DOES NOT replace a comprehensive eye examination. According to the American Optometric Association, all children should have a comprehensive eye examination with an optometrist or ophthalmologist yearly after starting grade school.

Temperature: _____



KYCO VISION INITIATIVE

VISION SCREENING

DATE: _____

CHILD INFO

Name: _____

Age/Grade: _____

Glasses: Yes ☐ No ☐

Significant Ocular History: _____

SCREENING DATA

OVERALL:

Pass ☐ Fail ☐

VISUAL ACUITY sc ☐ cc ☐

OD: 20/

OS: 20/

COLOR VISION -- Pass ☐ Fail ☐ Plates: _____

STEREO ACUITY -- Pass ☐ Fail ☐

COVER TEST sc ☐ cc ☐

Distance:

Near:

EXTRAOCULAR MUSCLES -- Pass ☐ Fail ☐

SPOT sc ☐ cc ☐

OD: _____

OS: _____

RETINOSCOPY sc ☐ cc ☐

DR's:

OD: _____

OS: _____

PUPILS - NORMAL ☐ ABNORMAL ☐

OCULAR HEALTH - NORMAL ☐ ABNORMAL ☐

Comments: _____

MATRIX OF HEALTH SERVICES

3A

Service	Pre-3	Pre-4	K	1	2	3	4	5	6	7	8	9	10	11	12	Referrals	Transfer Students	Known Problems
Preventative Health Exam	Xm	Xm	Xm						Xm			Xm*					Xm	
Immunization Record	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	
Eye Exam	Xm	Xm	Xm														Xm	
Cumulative Record	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm	Xm		Xm	
Athletic/Sports Physicals++										Xm	Xm	Xm	Xm	Xm	Xm		Xm	
Scoliosis Screening									Xm		Xm							
Vision Screening						Xs		Xs								Xs		Xs
Hearing Screening			Xs	Xs	Xs	Xs										Xs	Xs	Xs
Height & Weight			Xs	Xs	Xs	Xs	Xs	Xs	Xs			Xs						
T.B. Skin Test			R														R	

- Xm-Mandated in 704 KAR 4:020 Section 2: (1) A local board of education shall require a preventative health care exam of each child within one (1) year prior to the child's initial admission to school. A second exam shall be required within one (1) year prior to entry into the sixth grade or initial admission to school. (3) A local school board may exceed the deadline by which to obtain a preventative health care exam no to exceed two (2) months. (9) A valid immunization certificate shall be on file within two (2) weeks of the child's enrollment in school. A preventative health care exam may be performed and signed for by a physician, and advanced registered nurse practitioner, a physician's assistant or a health care provider in the early periodic screening diagnosis and treatment programs.
- Eye exam: KRS 165.160: (g) A vision examination by an optometrist or ophthalmologist that shall be submitted to the school no later than January 1 of the first year that a child is enrolled in a public school, public preschool or Head Start
- Xm* 704 KAR 4:020 Section "A third exam may be required by policy of the local school board within 1 year prior to entry into the ninth grade or initial school entry"
- ++ Athletic/Sports Physicals must be given by a Physician, Physician Assistant, Advanced Registered Nurse Practitioner or Chiropractor. The exam is valid for one (1) year from the examination date. (KRS 156.070; HSAA Handbook Bylaw 2)
- R- As Recommended. 704 KAR Section 2 (10) TB testing shall be carried out upon notification by a local health department.



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