

East Vision Care Employability profile

Employability Profile, East High School Vision Care Program

Student: _____

Date: _____

Years of Program completed: _____

Completed by: _____

Skill	Description The student has demonstrated the skill of:	Year	Demonstrated level of mastery		
		1 or 2	Acceptable	Not-Acceptable	N/A
1. Lensometry					
a. Lensometer parts	Name and identify the parts of the use of the lensometer	1			
b. Calibrating the lensometer	Calibrating the lensometer for individual use and zeroing the prism before use,	1			
c. Understanding the spectacle prescription	Reading the prescription and understanding the written components	1			
d. Power drum reading	Understanding the lensometer numbering system	1			
e. Spherical lens neutralization	Determining the power of spherical lenses	1			
f. Astigmatic (Sphero-cylindrical) lens neutralization	Determining the power of sphero-cylinder power lenses	1			
g. Spot and dot lens optical center	Marking the optical center of a lens and setting the axis to fit the patients prescription	1			
h. Identification of astigmatic lens errors	Identifying the visual needs of the patient based on the prescription	1			
i. Bifocal Lens Neutralization	Identifying the power of a bifocal and determining the add power of lens	2			
j. Identifying progressive lens markings	Locate and identify etch marks and add power mark and use these marks to locate the fitting point, distance, and reading power locations	2			
k. Progressive lens neutralization	Locating marking dots and power of progressive lenses	2			

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l. Finished lenses neutralization & axis identification	Neutralizing finished lenses, checking axis, and power to the patient prescription	1			
m. Determining Distance between Centers of finished eye wear	Dotting finished lenses, measuring DBC, and ensuring match to patients PD	1			
n. Understanding prism readings	Determining what prism is and what it means to find it in the glasses	1			
o. Lensometer maintenance and upkeep	Inking the ink pads, changing light bulbs, and tightening screws as needed	2			
2. Blocking					
a. AIT Speede Blocker identification	The blocker and components of blocking systems	1			
b. Using the lens clock	Use the lens clock to determine the base curve of lenses	1			
c. Frame Measurements	Determining and measuring FPD, A, B, DBL, ED, and temple length	1			
d. Calculating Decentration	Demonstrating mathematical skills necessary to calculate the decentration for various frames and PD's	1			
e. Block Identification	Identification of types of blocks available for blocking and the corresponding base curves for blocks	1			
f. Blocking of single vision lenses	Blocking a SV lens at a calculated horizontal decentration	1			
g. Blocking bifocal lenses	Blocking a lens to match horizontal and vertical decentration	2			
h. Blocking progressive lenses	Blocking a lens to match horizontal and vertical decentration	2			
i. Verification of correct decentration	Checking to ensure that decentration is correct, the block is aligned correctly for the axis, and the correct block has been applied	1			
j. Blocker Maintenance	Maintaining the blocker to ensure accuracy	2			

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3. Edging					
a. Edger parts and safety	Understanding and naming the parts of the edger and the safety measures necessary for using the machine	1			
b. Patterns and Pattern Making	Making patterns by hand for use in the edger	1/2			
c. Santinelli Tracer usage	Using the tracer to trace the shape of a frame	2			
d. Horizon II Edger usage	Using the edger to cut lenses to fit a frame	1			
e. Dial Caliper use	Measuring materials using a dial caliper	1			
f. Santinelli Wet Edger usage	Using the Multifunction, ME-1000 edger to cut lenses for full frame eye wear	2			
g. Deblocking lenses	Tools and techniques for de-blocking lenses post edging	1			
h. Safety beveling	Description and movements	1			
i. Hand beveling techniques	Using the hand stone to safety bevel lenses	1			
j. Horizon II maintenance	Cleaning the machine, changing blades if necessary	1			
4. Finishing & dispensing					
a. Structure and function of the eye	Describe the structures and functions of the human eye that assist with sight. Understand the differences between those who need eye wear and those who do not	1			
b. Pupillary distance measurements using the manual PD stick	Accurately measure DPD on a patient manually	1			
c. Pupillary distance measurements using the digital pupillometer	Accurately measure DPD on a patient using a digital pupillometer	2			
d. Monocular Pupillary distance measurements using the manual PD stick	Monocular PD measurements	2			

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e. Monocular Pupillary distance measurements using the digital pupillometer	Monocular PD measurements	2			
f. Measuring seg heights for bifocals	Measuring the correct placement of bifocal add for a patient	2			
g. Measuring seg heights for progressives	Measuring the correct placement of a fitting height for a patient	2			
h. Lens materials and their uses	Identification of different lens materials and who they would be best for	1/2			
i. Understanding the spectacle prescription	Reading the prescription and understanding the written components	1/2			
j. Mathematical transposition of prescriptions	Changing prescriptions from plus cylinder to minus cylinder, or vice versa using the algebraic formulas necessary	2			
k. Frame materials and Components	Basic parts of a frame Temple types	1			
l. Picking appropriate frames for the patient face shape	Matching the face shape to a complementary frame	2			
m. Optical hand tools	Identification and use for adjustment and repair of eye wear	2			
n. Edge Polishing	Adding edge polish to high minus lenses using the polishing wheel	2			
o. Mounting lenses in zyl frames	Mounting lenses using a hot air warmer or salt box	1			
p. Mounting in metal frames	Using the optical screwdriver to mount lenses	1			
q. Bench alignment	Correct alignment of frame for dispensing	2			
r. Adjusting frame components for individual faces	Ensuring proper fit of the frame to a patients face	2			

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s. Applying ANSI standards	Ensuring glasses for dispensing has correct PD, power, and axis for patient	1/2			
t. Demonstrated patient skills	Skills necessary to work with a patient and provide for their visual needs	2			
u. Autorefractor skills	Using the ViewLight Autorefractor with a patient to obtain a starting prescription	2			
v. Filling out the work ticket for glasses order	Correctly completing the work ticket for eyewear fabrication	2			
w. Understanding and describing various lens coatings	Ability to describe the uses a various lens coatings	2			
x. Tint station	Uses, safety, and maintenance of a lens tinting station	2			
y. Shop maintenance	Cleaning and organizing of tools, materials, and shop environment	1/2			
5. Digital Lens System					
a. Uses of the lens casting system	Describe and discuss the reasons for the digital lens system	2			
b. Work ticket creation	Entering patient data into the system and filling out the work ticket with the correct manufacture data	2			
c. Retrieval and return of casting components	Finding, cleaning, and returning the lens mold system pieces to correct placements	2			
d. Using the flash fill mold system	Filling mold with monomer, correctly curing the lenses, and de-gasketing the mold and lens	2			
e. Manufacture of single vision with no specialty tints	Ensuring axis is set for front mold, smoothing edges of lenses	2			
f. Manufacture of MFL with no specialty tints	Ensuring axis is set for front and back mold	2			
g. Manufacture of lens with specialty tints	Making a lens and understanding AR coating procedures and steps	2			
h. Maintenance of Lens system	Changing cleaning water, changing chemistry tubes, cleaning and changing coating system components	2			

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6. General Skills					
General skills that are demonstrated through activity in the program.				Demonstrated level of accomplishment	
		Year	Exceeds	Meets	Needs Improvement
a. Leadership	Able to lead and inspire others to do well	1/2			
b. Workplace etiquette	Treat classmates with respect	1/2			
c. Teamwork	Helping others when asked or assigned to a group	1/2			
d. Personal Responsibility	Demonstrated responsibility for materials and projects, ability to clean up after self and maintain equipment	1/2			
e. Research	Ability to research various topics and find answers to posed questions and situations using a variety of techniques	1/2			
f. Initiative/Drive	Ability to take actions on their own. Determination to get things done	1/2			
g. Attendance/Promptness	Minimal days of school missed, on time for courses	1/2			
h. Productivity	Productively used time in class to complete projects and assignments	1/2			
i. Communication	Well written assignments that are clearly written. Oral communication clearly conveys ideas and thoughts	1/2			
j. Planning and Organization	Ability to plan projects and carry them out	1/2			