

Optics Inventions – Summative Assessment

**Circle how you feel that you did and return to your teacher*

Categories	50–59% (Level 1)	60–69% (Level 2)	70–79% (Level 3)	80–100% (Level 4)
Perform & Record - Constructing and Calibrating	My projector makes an image of limited quality.	My projector makes an upright image of some quality.	My projector makes an upright image of good quality.	My projector makes an upright image of outstanding quality.
Perform & Record - Measuring and Recording	My data and sketches are mostly unclear or are difficult to understand. Many issues with correctness.	My data and sketches are mostly clear, mostly easy to understand, and mostly correct.	My data and sketches are clear, easy to understand, and almost completely correct.	My data and sketches are extremely clear, very easy to understand and totally correct.
Analyze & Interpret – Analyzing	I can make limited comparisons to focal length and explain, a little, why an image is inverted.	I can mostly make clear comparisons to focal length and mostly explain why an image is inverted.	I can make clear comparisons to focal length and explain well why an image is inverted.	I can make exceptionally clear comparisons to focal length and explain, very effectively, why an image is inverted.
Communicate - Reflecting	I understand, a little, the issues that prevented me from making a perfect projected image.	I mostly understand the issues that prevented me from making a perfect projected image.	I understand well almost all the issues that prevented me from making a perfect projected image.	I understand extremely well all the major issues that prevented me from making a perfect projected image.