



Education & Outreach Moment

NSF PHASE I CENTER FOR ADAPTING FLAWS INTO FEATURES

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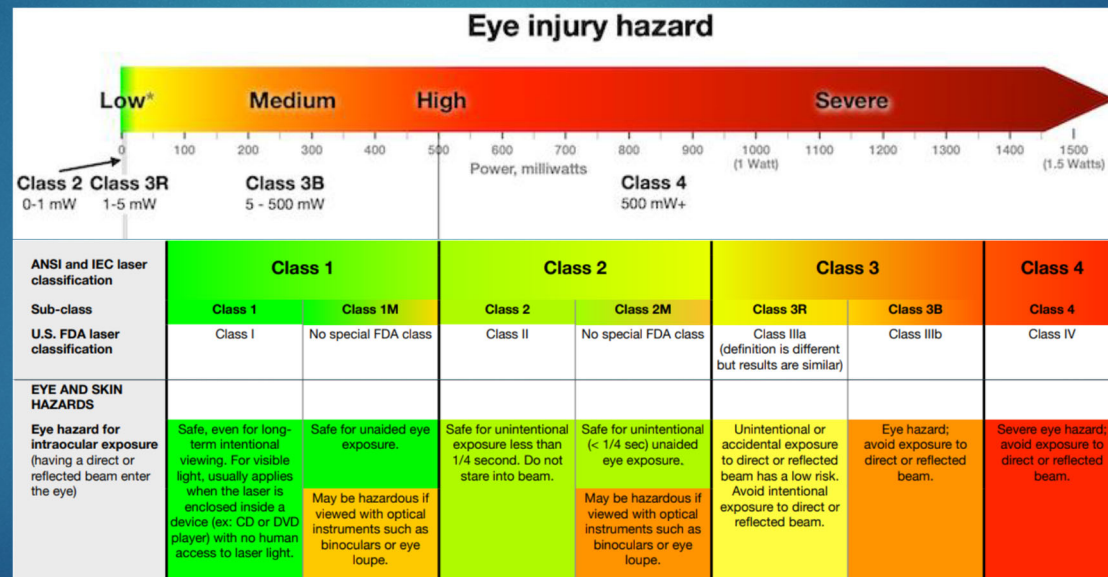




Microscope Lasers

Lasers and Eyepieces: A Safety Hazard

Microscopes with low power light sources often use eye pieces to observe samples. When laser light sources are present on microscopes, eye pieces can quickly become a hazard. Even low laser classes can lead to injury when viewed through optical instruments.



Information valid for visible light lasers (400-700 nm)
 Figure and table adapted from: [https:// www.lasersafetyfacts.com](https://www.lasersafetyfacts.com)



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Commercial C-mount microscope cameras are a great option to prevent accidents and maintain the ability to observe samples.

- Further Advantage: Images and videos of the sample are acquired easily.
- Disadvantage: Small dynamic ranges or long exposure times can make frequent operations such as focusing difficult.
- A good model used in the Link Lab is AmScope's 3.1MP MU313-B CMOS C-Mount Microscope Camera

(<https://amscope.com/products/mu313-bi-ck>).

