




# UNDER THE MICROSCOPE

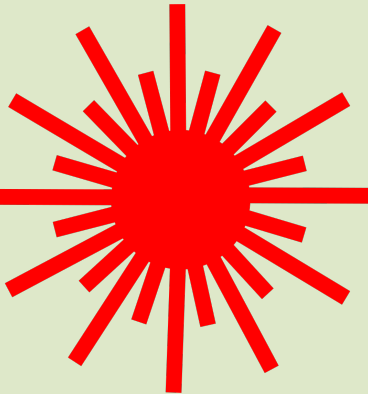
The Dartmouth College laboratory safety newsletter

Contact EHS for specific questions,  
646-1762 or e-mail [ehs@dartmouth.edu](mailto:ehs@dartmouth.edu)



## What do you know about your LASER pointer?

**LASER** is an  
  
**acronym for:**



**L**ight  
**A**mplification by  
**S**timulated  
**E**mission of  
**R**adiation

**LASERs come in four major classes based on power: 1, 2, 3, 4**

**Classes are also represented by Roman numerals: I, II, III, IV**

**LASER pointers are available as either: Class 2 or Class 3a/3R**

**Handheld LASER devices are higher powered Class 3b & Class 4**



Can you tell which  
is a LASER pointer  
and which is a  
handheld LASER  
device?



# LOOKS CAN BE DECEIVING.....



## 3a / 3R

### LASER POINTER

## HANDHELD LASER DEVICE



## 3b



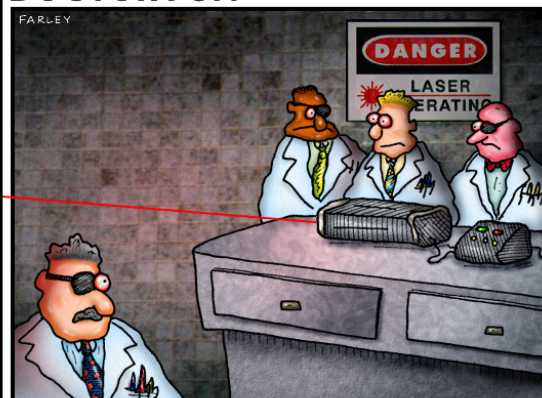
## Important things to remember

- ☀ Class 3b & 4 LASERs have the potential to cause eye damage before your blink response
- ☀ Only 3a (5mW max. power) and lower LASER pointers should be used for presentations
- ☀ Green and blue LASERs tend to be more powerful
- ☀ **DON'T STARE AT THE BEAM!! Never point a LASER at anyone's eyes!**

### EHS Staff

Maureen  
Michael  
Katrina  
Brenda  
Corey  
Sandy  
Molly  
Jason

### DOCTOR FUN



Peer pressure in the laser lab

Contact EHS to register your 3b and 4 LASERs:

[ehs@dartmouth.edu](mailto:ehs@dartmouth.edu)