

Using the Microscope

When you are ready to start

1. **Set up** the scope and plug it in
2. **Clean** all lens, eyepieces and slides you will use
3. **Turn on** the light
4. **Lower stage** as far as it will go
5. Place **slide** in holder and center specimen over light
6. Click **4X objective** into place
7. **Raise the stage** as high as it will go
8. While looking through the eyepieces, use the **coarse focus knob** to lower the stage until it is in the best possible focus
9. Use the **fine focus knob** to sharpen the focus further
10. **Center** the part of the specimen you wish to look at more closely
11. Click the **10X objective** into place
DO NOT RAISE OR LOWER THE STAGE
12. Use the **fine focus knob** to focus the slide
DO NOT TOUCH THE COARSE FOCUS KNOB
13. Repeat steps 10 to 12 to change to 45X objective

To use OIL IMMERSION;

14. Focus the slide with the High power (45X) objective
15. Move the objective lens out of the way – (DO NOT LOWER THE STAGE!) – apply a drop of oil directly on the part of the slide you wish to study.
15. Click the oil immersion lens into place
16. Open the iris diaphragm as needed, adjust the light.
17. Use the **fine focus knob** to focus the slide

DO NOT TOUCH THE COARSE FOCUS KNOB

When you are done

18. **Lower** the stage
19. **Remove** the slide, clean off oil, and put it away
20. Click **4X objective** back into place
21. **Turn off** the light
22. **Clean lens and eyepieces**
23. **Unplug and wrap** the cord around the scope
24. Put the scope in its **assigned place**