

Microscope Activities

Books and References:

Microscope Activities, Heron Books

The World of the Microscope (any edition), Chris Oxlade and Corinne Stockley, Usbourne Publishing, Ltd.

Other Materials

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| <input type="checkbox"/> Microscope: Student-grade microscope with at least low and high power objectives, coarse and fine adjustment knobs. The microscope should have a built-in light source. | <input type="checkbox"/> tweezers |
| <input type="checkbox"/> Prepared microscope slides of plants, insects and animals, available in sets at amazon and ebay | <input type="checkbox"/> disinfecting solution for slides (such as 10% bleach solution [10 parts bleach to 90 parts water]) |
| <input type="checkbox"/> flat glass slides | <input type="checkbox"/> paper towels |
| <input type="checkbox"/> depression slides | <input type="checkbox"/> onion layer |
| <input type="checkbox"/> cover slips | <input type="checkbox"/> flat toothpicks |
| <input type="checkbox"/> lens paper | <input type="checkbox"/> water samples containing microscopic life (see Section C, step 2—student to provide as many as possible) |
| <input type="checkbox"/> soft cloth or wipes | <input type="checkbox"/> petroleum jelly |
| <input type="checkbox"/> optical lens cleaner | <input type="checkbox"/> Additional materials will be needed for the activities in Section E. Students should choose the activities they want to perform as soon as possible and then coordinate with the lab supervisor regarding materials needed. These options cover microscopic observations and activities with bacteria, fungi, marine microscopic life, plant cells, insect anatomy, and with rocks, minerals and crystals. |
| <input type="checkbox"/> knife or razorblade | |
| <input type="checkbox"/> 2 different colored hairs, fibers or threads | |
| <input type="checkbox"/> blue food coloring for stain (or another stain such as methylene blue) | |
| <input type="checkbox"/> droppers | |