

About the Kids Microscope Series

The **Kids Microscope** provides a real microscopic experience for young ones! Elementary-aged kids can see highly magnified views of leaves, insects, pond life, and more up close and in detail. It's a high-quality tool that is easy to use—a clear advantage over cheap toy microscopes that are poorly lit and hard to focus.

What customers say...

My son absolutely loves it! The whole family enjoys looking at a plethora of items under the microscope. I would highly recommend this item. It is cost effective and very high quality.



Why Choose the Kids Microscope?

Features. The Kids Microscope comes with all-glass optics that provide clear views at 40, 100, and 400 power magnification. It has a durable metal frame, precision all-metal rack and pinion focusing, and a bright illuminator.

Quality. Each Kids Microscope is carefully inspected by our in-house quality control specialist, who checks everything from the optics to the mechanical operation. Nothing that we are not 100% satisfied with will ever be sent to you, so you can be sure of top quality right out of the box.

Lifetime Warranty. Unlike some of the other educational microscopes you might see online, Home Science Tools guarantees that your microscope will be free from defects in material and workmanship under normal use for the life of the instrument – so if you have any problems, we are happy to repair or replace your microscope immediately.

Tour of the Kids Microscope

Magnification. Standard magnification of 40x, 100x, and 400x is produced when the 10x eyepiece is multiplied by the magnification of the 4x, 10x, and 40x objective lenses.

Objective Lenses. The all-glass lenses are...

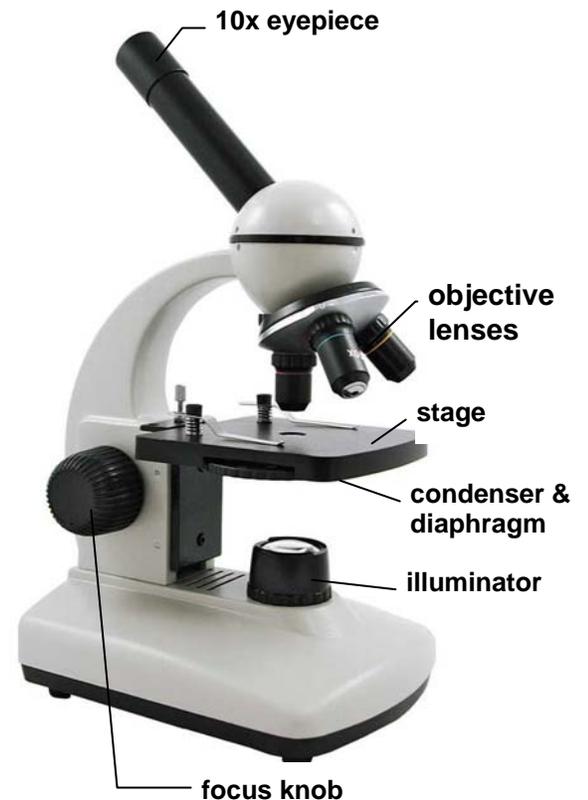
- **Achromatic**, which means they prevent color distortion
- **Parcentered**, which means that when you center your slide on one magnification level, it will stay centered on all the others
- **Parfocal**, which means that once you've focused on an object using one objective, the microscope will still be mostly focused when you switch to a different objective. All you'll have to do is adjust the focus slightly.

Stage. This is the platform that holds the slide up beneath the objective lens. The stage clips hold the slide in place.

Condenser & Diaphragm. The condenser focuses and condenses the light rays from the illuminator to give better image resolution. The disc diaphragm has several settings to let you control how much light passes through the specimen, which also helps with resolution. You'll need more light at higher magnification than lower.

Illumination. The bright 15-watt tungsten illumination is a key advantage over toy microscopes.

Focus. A large intermediate focus knob is an easy size for young kids to manipulate. A model with a fine focus is recommended for high school work (the Home Microscope is a good choice).



What you can look at — Ideas for exploring with the Kids Microscope:



Make simple slides with sugar and salt sprinkled on sticky tape.



Put thin slices of cork or leaves on a glass slide



Buy a prepared slide set for spectacular specimens.

Microscopes in the Kids Series



Kids Microscope

The standard model with all the great features described above, including all-glass optics, an all-metal frame, and bright 15-watt tungsten lighting. Perfect for ages 5-13!



Kids LED Cordless

This portable battery-powered model has the same glass optics and metal frame as the Kids model, but with an efficient LED illuminator that can run off of AC power or its rechargeable battery pack.



Kids Digital LED

The fully adjustable LED illumination of the cordless model works great for micro-photography! This model comes with a digital camera that can take 640 x 480 still and video images of your slides.

Microscope Series Comparison

In addition to the Kids microscope series, Home Science Tools also sells two other series of microscopes, the Home series and the Ultimate Home series.

Kids Microscope



Home Microscope



Ultimate Home Microscope



Why buy?

This model is a great beginner microscope

This has affordable, high-school quality features

This model has top-of-the-line features and quality

Best use

Best for elementary and junior high

Best for junior high and high school

Best for high school, college, and laboratory use

Magnification

40, 100, and 400x

40, 100, and 400x

40, 100, 400, and 1000x

Illumination

15-watt tungsten or LED

5-watt fluorescent

20-watt halogen variable

Warranty

5-Year

Lifetime

Lifetime

Focus

Intermediate

Separate coarse/fine

Coaxial coarse/fine