



# Lab

by *levenhuk*



Optics for Kids



Explore. Discover. Enjoy!

# Levenhuk LabZZ Optics for Kids

Modern optical equipment for children  
and teenagers from 6 to 12 years old

LabZZ instruments are unusual and bright modern telescopes, microscopes, binoculars, science kits and optical accessories that will help to develop a strong interest in science and show your children all those exciting things unseen by the naked eye. All models in the line are safe and very easy to use, yet deliver broad research capabilities and come with useful additional accessories. Particular attention is paid to packaging design – all instruments come in colorful, individually designed gift boxes.

## Levenhuk LabZZ Series

**Bright biological microscopes** with lower illumination. These microscopes allow you to observe cells and prepared microscope samples, grow Artemia in a special hatchery, and prepare your own samples for observation. The Levenhuk LabZZ microscope range includes singular models, as well as a special colorful line, Levenhuk LabZZ M101. The microscopes come with eyepieces, objectives, experiment kits, and instruments for microscopic work.



**Convenient and easy to use refractor telescopes** with glass optics. These models are perfectly suited for primary planetary and lunar observations, as well as for terrestrial viewing. Levenhuk LabZZ telescopes come with eyepieces, Barlow lenses, diagonal mirrors, optical finderscopes, and full-size tripods with height adjustment.



**Original optics kits** for comprehensive development of young scientists. The kit with telescope and microscope allows children to get acquainted with two natural sciences – biology and astronomy – and develop two new scientific hobbies. The line also features a kit that additionally includes a pair of binoculars. Each kit includes additional accessories and tools.



**Additional exploration tools** that can be always carried around. Bug and spider lovers will definitely appreciate Levenhuk LabZZ Insect Can – they can easily put a bug inside and observe it without any harm. Bird and animal lovers will find Levenhuk LabZZ B2 Binoculars very handy.

# Optics Kits

## Levenhuk LabZZ



Learning and development optics kits  
for young explorers of the macro- and microcosm

It's so much easier and more fun for children to explore the huge and amazing world we live in with Levenhuk LabZZ optics kits! Compact LabZZ telescopes are easy to control and capable of showing both large Solar System objects and virtually any distant terrestrial objects. Looking through the microscope's eyepiece, a young explorer will learn many new surprising things about everyday objects. Compact binoculars are great for observing nature, birds and animals as well as playing active outdoor games. The kits are perfectly suited for preschool and school children. Each kit is supplied with an easy-to-read user guide and comes in a uniquely designed gift box.

### Levenhuk LabZZ MT2 Microscope & Telescope Kit

#69299

Brings stars closer

Compact table-top telescope

Seeing the invisible

Children's biological microscope

Interesting experiments

Additional accessories and samples included



### Features

- The kit consists of: telescope and microscope
- Universal kit for exploring the world around us
- The telescope allows for both astronomical and terrestrial observations
- The microscope allows you to observe plant and animal cells, insects, and many other things
- The kit includes everything needed for a beginning biologist
- The erecting eyepiece can be used as a pocket microscope
- Package weight: 3.7lb (1.7kg)
- Package size: 33.9×9.1×3.9in (860×230×100mm)

The kit includes:  
 microscope with accessories – eyepiece, several prepared microscope slides, blank slides, cover slips, flasks with dye and glue, instruments for work with a microscope



Head	monocular
Revolving nosepiece	3 objectives
Magnification	75x, 300x, and 900x
Optics material	optical plastic
Illumination	LED, mirror
Illumination power supply	batteries
Body material	plastic
Experiment kit included	yes

The kit includes:  
 telescope with accessories – table tripod, 2 eyepieces, diagonal mirror, finderscope, uminescent astronomy stickers



Optical design	refractor
Objective lens diameter	50mm
Focal length	600mm
Eyepieces	H12.5mm (50x), 18mm erecting eyepiece (35x)
Finderscope	optical, 2x
Tripod	table-top, aluminum
Mount	AZ

## Levenhuk LabZZ MTB3 Microscope & Telescope & Binoculars Kit

#69698



Exciting experience

Compact pocket binoculars

Brings stars closer

Easy-to-use refractor telescope

Seeing the invisible

Children's biological microscope

Interesting experiments

Additional accessories and samples included

# Features



Explore. Discover. Enjoy!

- The kit consists of: telescope, microscope and binoculars
- Universal kit for exploring the world around us
- The telescope allows for both astronomical and terrestrial observations
- The kit includes full-size tripod for the telescope and soft pouch for binoculars
- The microscope allows you to observe plant and animal cells, insects, and many other things
- The kit includes a large number of additional accessories for interesting microscope experiments
- Package weight: 4.4lb (2kg)
- Package size: 34.6×9.4×3.9in (880x240x100mm)

The kit includes:  
telescope with accessories – full-size tripod with adjustable height, 2 eyepieces, diagonal mirror, finderscope



<b>Optical design</b>	refractor
<b>Objective lens diameter</b>	50mm
<b>Focal length</b>	600mm
<b>Eyepieces</b>	5mm (120x), 10mm (60x)
<b>Finderscope</b>	optical, 2x
<b>Tripod</b>	aluminum, 2.6-4.5in (65-115mm)
<b>Mount</b>	AZ

The kit includes:  
microscope with accessories – eyepiece, several prepared microscope slides, blank slides, cover slips, slide stickers, empty flasks, instruments for work with a microscope



<b>Head</b>	monocular
<b>Revolving nosepiece</b>	3 objectives
<b>Magnification</b>	150x, 450x, and 900x
<b>Optics material</b>	optical plastic
<b>Illumination</b>	LED, mirror
<b>Illumination power supply</b>	batteries
<b>Body material</b>	plastic
<b>Experiment kit included</b>	yes

The kit includes:  
binoculars, soft pouch, optics cleaning cloth, thin strap



<b>Type</b>	roof
<b>Magnification</b>	6x
<b>Objective lens diameter</b>	21mm
<b>Optics material</b>	optical glass
<b>Focusing</b>	central
<b>Body material</b>	plastic

# Microscopes

## Levenhuk LabZZ M101



Explore. Discover. Enjoy!

Bright children's microscopes in unusual bodies



### Unique design

Translucent body

### Colorful

Available in five bright colors

### Levenhuk K50

K50 Experiment Kit included

## Features

Levenhuk LabZZ M101 Microscopes are designed especially for children and teenagers. The bright body in an unusual shape is made of durable lightweight plastic. These microscopes provide 40x-640x magnification power. The unique feature of these models is their sliding two-position eyepiece. This eyepiece replaces two eyepieces with magnifications of 10x and 16x, and it is also very convenient to use. Levenhuk LabZZ M101 Microscopes come with a large experiment set – Levenhuk K50. This kit will help you learn more about plants and insects and their structure, and observe microorganisms that are invisible to the naked eye and many other interesting things.

- Biological microscopes designed especially for children and teenagers
- Five bright colors to choose from
- Sturdy and lightweight plastic body of interesting shape
- Magnification from 40x to 640x
- Two eyepieces in one
- Monocular head with a comfortable 45° angle of inclination
- Large round stage
- Convenient focusing knobs
- Energy-efficient lower LED illumination
- Brightness adjustment
- Battery powered illumination
- Recommended for children and beginners
- Ideal for home use
- Detailed and user-friendly manual included
- Experiment kit included



The kit includes:  
microscope, 3 objectives, two-position eyepiece,  
experiment kit, batteries, user manual

Amethyst  
#69058



Azure  
#69300



Lime  
#69059



Moonstone  
#69057



Orange  
#69731



Head	monocular, inclined at 45°
Eyepieces	WF10x-16x (two-position)
Objectives	4x, 10x, 40x
Optics material	plastic
Magnification	from 40x to 640x
Stage	82mm in diameter, with clips
Stage moving range	0-15, vertical
LED power supply	batteries
Brightness adjustment	yes
Diaphragm	diaphragm disk (6 apertures)
Body material	plastic
Levenhuk K50 Experiment Kit	yes
Weight	2.2lb (1.0kg)
Package size	5.0×7.1×10.6in (180x270x127mm)

## K50

#66830

Levenhuk K50 Experiment Kit will open a whole new dimension for you – the world at the cellular level. Ready-to-use slides and all equipment required for preparing your own slides make it possible to take a look into the microcosm and see what is not seen to the human eye.

### Levenhuk K50 Experiment Kit includes:

- "Attractive Microscope. Scrutinizing the Microcosm" User Guide
- Forceps
- Dropper
- Hatchery for Artemia (brine shrimp, or sea-monkeys)
- Flask with brine shrimp
- Microtome – a tool that allows you to make very thin (fraction of a millimeter) slices of samples, which is necessary for studying the sample under a microscope
- Flask with yeast
- Flask with sea salt
- Flask with pitch
- Blank glass slides (5 pieces)
- 5 samples: fly's limb, onion, cotton stem, slice of a tree trunk, pine
- Dust cover



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# Microscopes

## Levenhuk LabZZ M

Entry-level biological microscopes for children



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300x, 900x or 1200x

Magnification

Plastic

Metal

Body material

Tools for microscopic work

For fun experiments

Microscope slides

Prepared slides for first studies

## Features

- Entry-level biological microscopes designed specifically for children and teenagers
- Wide range of magnifications
- Revolving nosepiece with 3 objective lenses
- Built-in battery-powered illumination as well as a mirror for natural illumination
- Allow for viewing transparent microscope samples
- Stage with clips
- Recommended for children and beginners
- Ideal for home use
- Detailed and clear user manual included
- Prepared microscope slides and instruments for microscopic work included

Levenhuk LabZZ M series includes three biological microscopes supplied with rich kits of additional accessories. These microscopes are ideal for a first acquaintance with the microcosm, and are recommended for the youngest scientists – children won't need much time to master this easy-to-use instrument and will be able to conduct their first experiments right after unpacking its attractive gift box. The microscopes feature lightweight plastic bodies and built-in battery-powered illumination – they can easily be taken on the road or used for observations in nature.



## LabZZ M1

#69739

300x

Plastic

2 prepared slides

The kit includes:

microscope, eyepiece, 2 prepared slides, 2 blank slides, 5 cover slips and slide stickers, glue, sea salt, pipette, user manual



## LabZZ M2

#69740

900x Plastic 3 prepared slides

- Experiment kit
- Instruments for microscopic work

The kit includes:

microscope, eyepiece, 3 prepared slides, 3 blank slides, 6 cover slips and slide stickers, glue, sea salt, flask with brine shrimp, brine shrimp hatchery, instruments for work with a microscope, user manual



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## LabZZ M3

#69741

1200x Metal 5 prepared slides

- Eyepiece projector
- Glass optics
- 100 accessories in the kit
- Plastic case
- Experiment kit

The kit includes:

case, microscope, eyepiece, eyepiece projector, 5 prepared slides, 18 blank slides, 36 cover slips, 18 slide stickers, 2 flasks with dye, 4 empty flasks, magnifier, measuring can, test tube, Petri dish, spare bulb, instruments for work with a microscope, user manual



LabZZ M1

#69739



LabZZ M2

#69740



LabZZ M3

#69741

Eyepiece projector	-	-	yes
Eyepieces	10x	10x	10x
Objectives	10x, 20x, 30x	10x, 40x, 90x	30x, 60x, 120x
Optics material	optical plastic	optical plastic	optical glass
Magnification	from 100x to 300x	from 100x to 900x	from 300x to 1200x
Stage	with clips	with clips	with clips
Lower illumination	incandescent lamp, mirror	incandescent lamp, mirror	incandescent lamp, mirror
Illumination power supply	2 AA batteries (not included)	2 AA batteries (not included)	2 AA batteries (not included)
Body material	plastic	plastic	metal
Prepared slides	2 pieces	3 pieces	5 pieces
Weight	0.9lb (0.4kg)	1lb (0.5kg)	4.9lb (2.2kg)
Package size	3.2x8.3x10.3in (81x211x261mm)	3.2x11.0x11.4in (82x280x290mm)	3.9x23.4x15.2in (100x595x385mm)

# Telescopes

## Levenhuk LabZZ T



Compact telescopes for planetary and terrestrial observations

Levenhuk LabZZ T series includes three compact refractors equipped with quality glass optics. All models are installed on simple alt-azimuth mounts that can be easily managed even by beginners and children. Each telescope comes with a large accessory set that includes everything needed to start astronomical or terrestrial observations right after unpacking.

### Features

- Compact entry-level telescopes designed specifically for children and teenagers
- Quality glass optics comparable to 'adult' models
- 2 eyepieces and 1 erecting eyepiece included
- Suitable for astronomical and terrestrial observations
- Easy-to-use alt-azimuth mounts
- Convenient optical finderscopes
- Steady aluminum tripods with adjustable height
- Recommended for children and beginners
- Ideal for a first acquaintance with the cosmos
- Detailed and clear user manual included
- Useful accessories in the kit



83x, 100x or 175x

Highest power

40, 50 or 60mm

Objective lens diameter

500, 600 or 700mm

Focal length

Optical accessories

Eyepieces and finderscope included



### LabZZ T1

#69736

83x 40mm 500mm

6mm and 12.5mm eyepieces 2x finderscope

The kit includes:  
telescope, 2 eyepieces, erecting eyepiece, optical finderscope, diagonal mirror, tripod, user manual



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## LabZZ T2

#69737

100x 50mm 600mm

6mm and 12.5mm eyepieces 2x finderscope

The kit includes:

telescope, 2 eyepieces, erecting eyepiece, optical finderscope, diagonal mirror, tripod, user manual



## LabZZ T3

#69738

175x 60mm 700mm

4mm and 12.5mm eyepieces 5x finderscope

- 3x Barlow lens
- Accessory tray

The kit includes:

telescope, 2 eyepieces, erecting eyepiece, Barlow lens, optical finderscope, diagonal mirror, tripod with accessory tray, user manual

### LabZZ T1

#69736

### LabZZ T2

#69737

### LabZZ T3

#69738

Optical design	refractor	refractor	refractor
Objective lens diameter	40mm	50mm	60mm
Focal length	500mm	600mm	700mm
Out-of-the-box magnification	from 40x to 83x	from 48x to 100x	from 56x to 175x
Focal ratio	f12/5	f12	f11/7
Eyepiece barrel diameter	0.96"	0.96"	0.96"
Eyepieces	6mm (83x) 12.5mm (40x) 1.5x erecting eyepiece	6mm (100x) 12.5mm (48x) 1.5x erecting eyepiece	4mm (175x) 12.5mm (56x) 1.5x erecting eyepiece
Barlow lens	-	-	3x
Finderscope	optical, 2x	optical, 2x	optical, 5x
Tripod	aluminum, 2.6-4.5in (65-115mm)	aluminum, 2.6-4.5in (65-115mm)	aluminum, 3.0-4.7in (75-120mm)
Accessory tray	-	-	yes
Mount	AZ	AZ	AZ
Weight	3.1lb (1.4kg)	3lb (1.4kg)	6.7lb (3.0kg)
Package size	28.7×8.7×3.1in (730×220×80mm)	27.6×8.6×3.2in (700×218×82mm)	28.7×9.3×5.7in (730×235×145mm)

# Children's exploration tools

## Levenhuk LabZZ



Compact instruments to explore the world

### Levenhuk LabZZ C1 Insect Can

#69716

With Levenhuk LabZZ C1 Insect Can any travel or trip to the countryside becomes a real research expedition for your child! All sorts of different bugs, butterflies and other insects can be placed in this can with see-through walls in order to be observed in detail with the built-in magnifier in its cap. The cap is also equipped with an additional folding magnifying lens. You can fill the can with water and place small fish or tadpoles in it. The can's bottom has a special measuring grid with 0.2 inches scale value to help determine the size of the studied object.

The kit includes:  
insect can, plastic spider, user manual



Lens diameter	45mm
Inset lens diameter	35mm
Magnification	3x
Inset lens magnification	6x
Optics material	plastic
Body material	plastic

### Levenhuk LabZZ B2 Binoculars

#69715

These compact binoculars are designed specifically for young observers. The body shape and binoculars' size are perfect for children's hands, but the optical performance is comparable to that of some "grown-up" models. 21mm objective lens diameter allows for clear views of even the smallest details on objects during daytime observations. Optical elements made of glass ensure sharp and crisp images. Anti-reflective coating significantly increases image brightness. The ergonomic body is made of plastic with a rubber coating, so it is lightweight but quite durable.

The kit includes:  
binoculars, soft pouch, wrist strap,  
optics cleaning cloth, user manual



Type	roof
Magnification	6x
Objective lens diameter	21mm
Optics material	optical glass
Field of view	360yds/1000ft (120m/1000m)
Interpupillary distance	65-50mm
Focusing	central
Body material	plastic

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