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## Blue Marble NGMICROST

# NATIONAL GEOGRAPHIC Kids Microscope (Model NGMICROST) Instruction Manual

Your guide to exploring the microscopic world.

## 1. INTRODUCTION

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Welcome to the world of microscopic discovery with your NATIONAL GEOGRAPHIC Kids Microscope! This easy-to-use science kit is designed to spark curiosity and provide hours of educational fun for young scientists. Explore specimens up to 400x magnification with clear views and intuitive controls.



Image: The NATIONAL GEOGRAPHIC Kids Microscope, proudly displaying a '2024 National Parenting Product Awards Winner' badge, highlighting its recognition as a top educational product.

### **What's Included:**

- Easy-To-Use Kids Microscope
- Blank and Prepared Slides
- Rock and Mineral Specimens
- Detailed Learning Guide
- Pipette
- Specimen Dish
- Tweezers
- Slide Covers

## **2. SETUP**

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### **Battery Installation:**

1. Locate the battery compartment on the underside of the microscope.

2. Using a small Phillips head screwdriver, unscrew the battery compartment cover.
3. Insert 2 x AAA 1.5V alkaline batteries (not included), ensuring correct polarity (+/-).
4. Replace the cover and secure it with the screw.

### Preparing the Eyepiece:

- Remove the protective cap from the eyepiece. Keep the cap for storage to prevent dust accumulation.
- The soft-touch eyepiece is designed for comfort and safety during observation.



Image: A close-up of the NATIONAL GEOGRAPHIC Kids Microscope highlighting its user-friendly features: a soft-touch eyepiece, extra-large focusing knobs, and an LED light for clear viewing.

## 3. OPERATING THE MICROSCOPE

### Placing a Specimen:

- Place a prepared slide or a blank slide with your own specimen onto the adjustable stage.
- Use the slide clips to hold the slide securely in place.

## Adjusting Magnification:

- The microscope offers three magnification settings: 40x, 100x, and 400x.
- Rotate the objective lens turret to select your desired magnification.

## Using the LED Lights:

- The microscope features LED lights both above and below the stage.
- Use the light switch located on the back of the microscope to toggle between top light (for opaque specimens like rocks) and bottom light (for translucent specimens like slides).

## Focusing:

- Look through the eyepiece.
- Slowly turn the large focusing knobs on either side of the microscope to move the stage up or down until your specimen comes into clear focus.



Image: A side view of the NATIONAL GEOGRAPHIC Kids Microscope, illustrating its child-friendly design with a fixed eyepiece for consistent focus and a large focus knob to easily adjust the slide tray.

# SEE INCREDIBLE DETAIL!

## EXPLORE 3 MAGNIFICATION SETTINGS

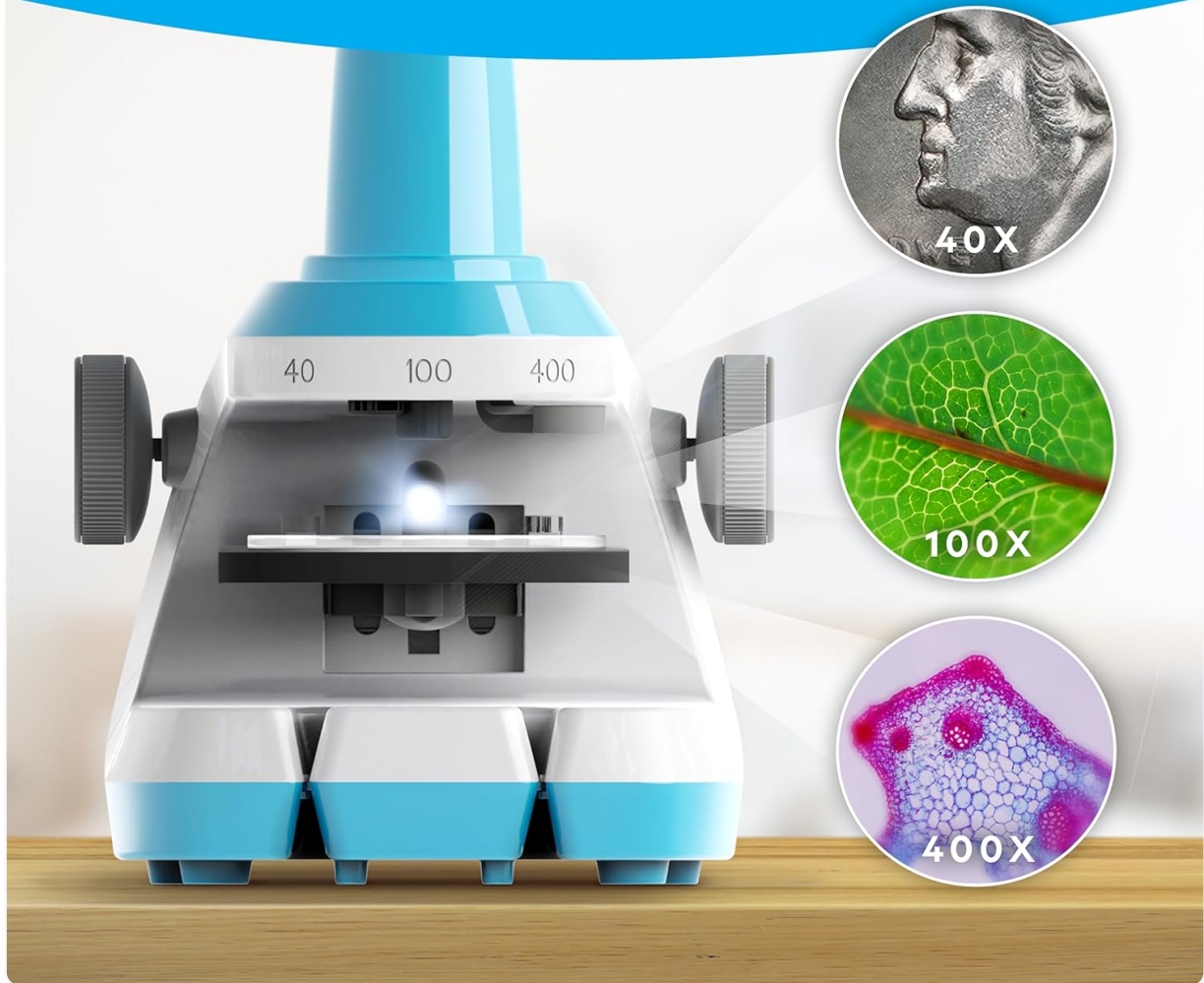


Image: The NATIONAL GEOGRAPHIC Kids Microscope demonstrating its three magnification settings (40x, 100x, 400x) with visual examples of a coin, a leaf, and plant cells at each level.

## 4. EXPLORING SPECIMENS

### Prepared Slides:

- The kit includes 6 prepared plant slides for immediate exploration.
- Carefully slide a prepared slide onto the stage and begin observing.

### Rock and Mineral Specimens:

- Examine the 6 genuine rock and mineral specimens provided.
- Place a specimen directly on the stage and use the top LED light for illumination.

### Creating Your Own Slides:

- Use the 6 blank slides, pipette, specimen dish, and tweezers to collect and prepare your own samples.
- Place a small sample on a blank slide, add a drop of water with the pipette, and cover with a slide

cover.

- Explore items from your backyard, household, or even water samples!



Image: The NATIONAL GEOGRAPHIC Kids Microscope kit featuring six genuine mineral chips (Rose Quartz, Geode, Amethyst, Blue Calcite, Pyrite, Green Fluorite) ready for examination.

# EXAMINE 6 REAL PLANT SLIDES & MAKE 6 SLIDES OF YOUR OWN!



Image: The NATIONAL GEOGRAPHIC Kids Microscope kit showcasing six pre-prepared plant slides (e.g., Pine Pollen, Sunflower Root, Holly Leaf) and six blank slides with covers for custom specimen preparation, all stored in a convenient slide storage case.

## 5. MAINTENANCE

- Always replace the eyepiece cap after use to protect the lens from dust and debris.
- Wipe the microscope body with a soft, dry cloth. Avoid abrasive cleaners.
- Store the microscope and all accessories in a clean, dry place when not in use.

## 6. TROUBLESHOOTING

### Unclear View:

- Ensure the specimen is properly centered on the stage.
- Adjust the focusing knobs slowly until the image is sharp.
- Check that the correct LED light (top or bottom) is selected for your specimen type.
- Verify that the eyepiece and objective lenses are clean and free of smudges.

## Lights Not Working:

- Check if the batteries are correctly installed and not depleted. Replace if necessary.
- Ensure the light switch is in the correct position (top or bottom light).

## 7. SPECIFICATIONS

Feature	Detail
Light Source Type	LED
Model Name	NGMICROST
Material	Plastic
Color	Multicolor
Product Dimensions	11"L x 6.7"W x 12"H
Magnification Maximum	400.00x
Item Weight	0.97 Kilograms
Power Source	Battery Powered (2 x AAA 1.5V, not included)

## 8. WARRANTY AND SUPPORT

**RESPECTED QUALITY** – National Geographic Toys is proud to provide only the highest quality products, each backed by a complete satisfaction guarantee. If your experience is less than stellar, let us know and we'll make things right!

For further assistance or inquiries, please refer to the contact information provided with your product packaging or visit the official Blue Marble website.