

## Jiffyscope Portable x30 Microscope Kit

- x30 Magnification
- Compact and portable - ideal for use out in the field

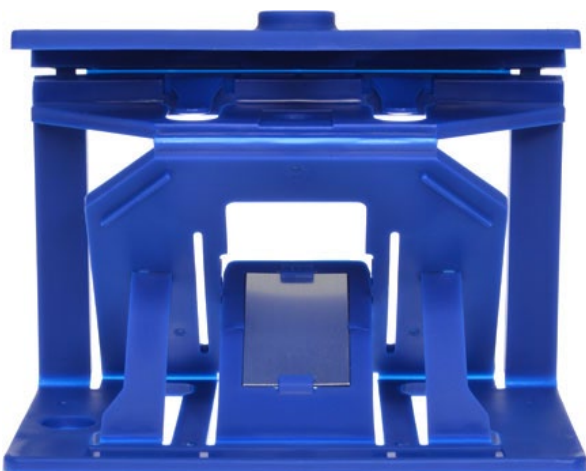
The Jiffyscope is a fantastic little x30 microscope. Go anywhere with this compact microscope - it's ideal for field trips. It has hundreds of possible uses and comes complete with the following accessories:

- Plastic Well Slide
- Redi-slide
- Pipette
- Prepared Sugar & Salt Slide

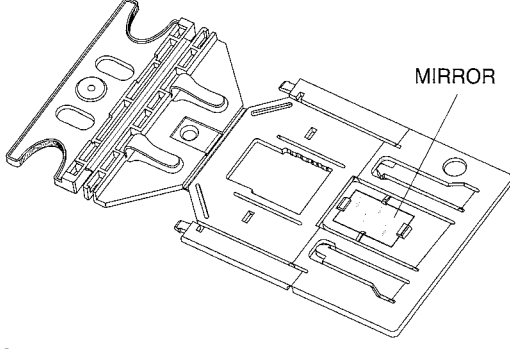
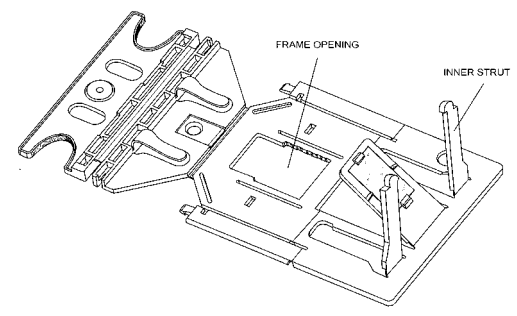
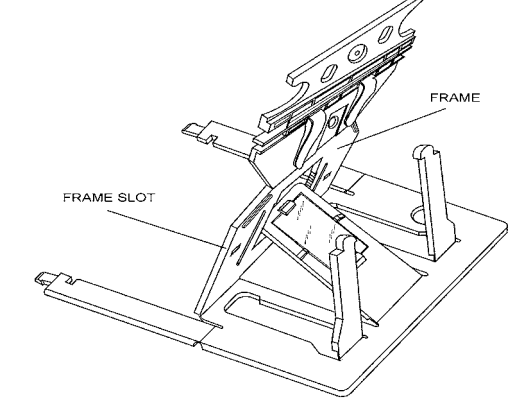
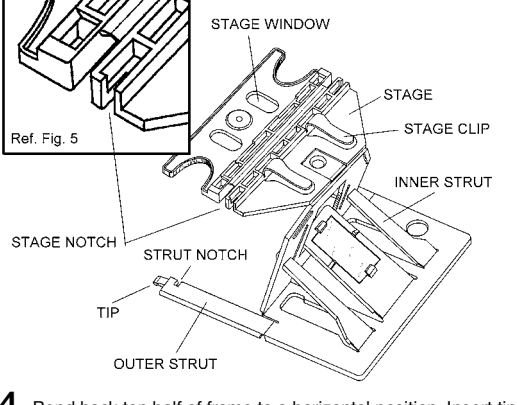
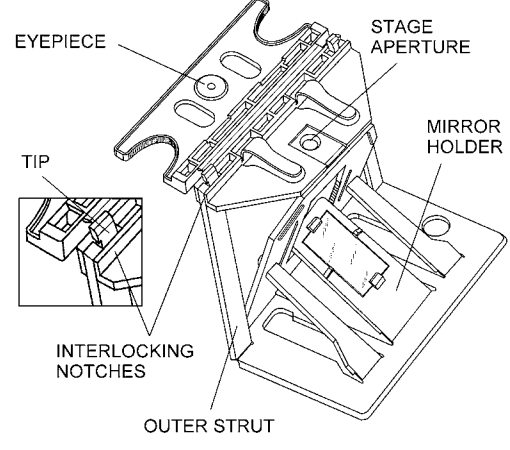
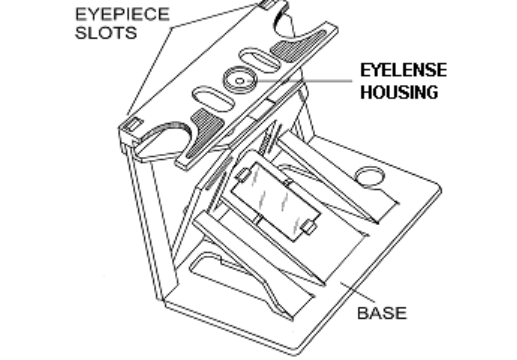


### Specifications

Magnification	x30
Height (Assembled)	73mm
Length (Assembled)	65mm
Width (Assembled)	100mm



## Jiffyscope Setup Instructions

 <p><b>1.</b> Start with flat piece, mirror up</p>	 <p><b>2.</b> Bend Inner Struts to upright position. While holding struts upright, lift mirror to a small angle.</p>
 <p><b>3.</b> Bend entire frame up and over. Insert mirror partially into frame opening</p>	 <p><b>4.</b> Bend back top half of frame to a horizontal position. Insert tips of inner struts into frame slots. Squeeze struts lightly towards each other to firmly engage strut tips</p>
 <p><b>5.</b> Refer Fig.4 blow-up section, locate stage notch. Bend up outer struts. Interlock strut and stage notches, allowing tips to protrude</p>	 <p><b>6.</b> To complete the set-up bend eyepiece over 180° so that the eyepiece slots hook onto the tips of the outer struts. The eyepiece will be raised at a slight angle to the stage.</p> <p>To focus, squeeze eyepiece slowly against the stage. To optimize light, slide-adjust mirror up and down.</p> <p>To dismantle, pull eyepiece up to disengage outer struts, then reverse process.</p>



## Operating Instructions

### Getting Started

Hold, or place, scope horizontally so that mirror faces out.

If indoors, point mirror toward a light bulb or window. Make sure the light source is at a low enough angle for light to strike the mirror.

If outdoors, almost any position will give enough light to get started. Remember: **never reflect the direct rays of sun into your eye!**

### Centering Specimens

Insert a microslide – glass, plastic, cardboard, or paper – under the stage clips. Looking through a window in the eyepiece, push on edges of the microslide to center specimen over the stage aperture.

While looking through the eyelense housing, squeeze eyepiece slowly against the stage to bring specimen into focus. At the same time move microslide with fingers to select parts of specimen to be examined.

### Exposing the Stage

If, on occasion, it becomes necessary to expose the stage, grasp the front edge of the eyepiece and pull it up and back. To restore, bend eyepiece forward against stage until it clicks into place.

### Mirror Adjustment

Slide mirror holder to a position that produces the optimum amount of light reflection to the eyelense. (To break in mirror holder, grasp it at the end with finger and thumb and move it up and down a few times.)

### Focusing

Grasp the **JiffyScope** with fingers under the **stage** and thumbs over the **eyepiece bridge**. While looking through the **eyelense housing**, slowly squeeze the **eyepiece bridge** towards the **stage** until the image comes into focus. At the same time the microslide may be moved to select parts of the specimen to be examined.

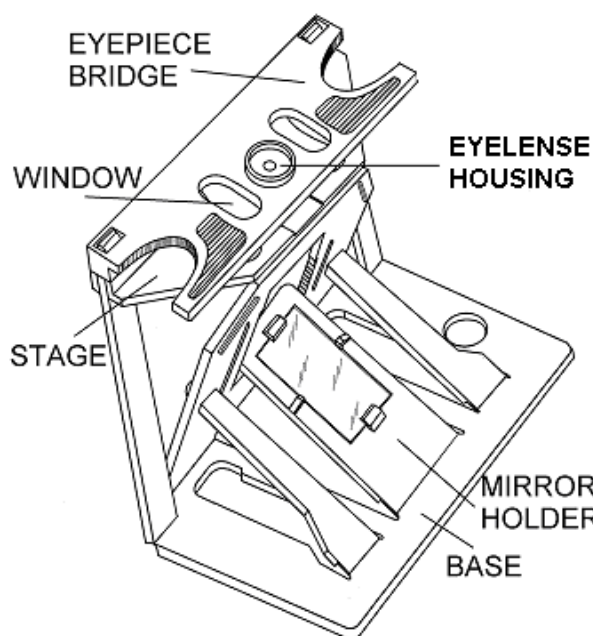


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### Some things to examine with the Jiffyscope

<b>Hair</b>	Human, cat, dog, rabbit, other pets & animals; feathers, fur, spider web, cilia
<b>Fibers</b>	Natural vs synthetic, cotton, wool, rayon, silk, rug, etc. Tissue, sponge, yarn, string, rope
<b>Outdoors</b>	Grass, seeds, leaves, pollen, flowers (stems, roots, and other parts), hay, weeds, fungus
<b>Insect Parts</b>	Wings, legs, body, such as from a fly, bee, mosquito, ladybug, butterfly, bedbug, etc.
<b>Food</b>	Salt, sugar, pepper, bread, fruit peels, celery, grits, garlic, coffee grounds, penicillium mold
<b>Micro-organisms</b>	Pond water creatures, protozoa, algae, vinegar eels, water fleas, rotifers
<b>Particles</b>	Dirt specks, brick/stone dust, grains of sand, metal chips, rust, talcum powder, Epsom salt
<b>Skin</b>	From a cuticle, blister, or sunburn. Finger nail, fish scale, onion skin, cheek cells
<b>Images</b>	Newspaper print and pictures, film, colour magazine pictures, negatives

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