

Microscopic Image Overview

Essential Questions

- How can something small and seemingly insignificant make a big impact?
 How do we know about something we can't see?
 What kinds of tools are appropriate for which jobs?
 How can technology change our current view of the universe?

- I totally get it
 I kinda get it
 I don't get it

Enduring understanding	Important to know and do	Worth being familiar with
<input type="checkbox"/> Microscopes revolutionized our understanding of the world, allowing us to see things our unaided eyes could not and opening up the microscopic world for studying <input type="checkbox"/> Using tools properly and understanding their functions allows us to see and do things we were formerly unable to do	<input type="checkbox"/> Proper microscope care and usage <input type="checkbox"/> Parts of the microscope and their functions <input type="checkbox"/> Identify power being used <input type="checkbox"/> Understand how the image changes from the slide to the eyepiece <input type="checkbox"/> Move a slide to center the image <input type="checkbox"/> Improve an image using the diaphragm and fine/course adjustment	<input type="checkbox"/> History of microscopes and achievements made by specific scientists <input type="checkbox"/> Calculate total magnification power used in compound microscope

Vocabulary to Master

<input type="checkbox"/> compound microscope	<input type="checkbox"/> base	<input type="checkbox"/> coarse adjustment	<input type="checkbox"/> revolving nosepiece	<input type="checkbox"/> light source	<input type="checkbox"/> Anton van Leeuwenhoek
<input type="checkbox"/> eyepiece	<input type="checkbox"/> diaphragm	<input type="checkbox"/> stage	<input type="checkbox"/> objective lenses	<input type="checkbox"/> microscopic image	<input type="checkbox"/> Robert Hooke
<input type="checkbox"/> arm	<input type="checkbox"/> fine adjustment	<input type="checkbox"/> stage clips	<input type="checkbox"/> total magnification power	<input type="checkbox"/> Zacharias Janssen	<input type="checkbox"/>