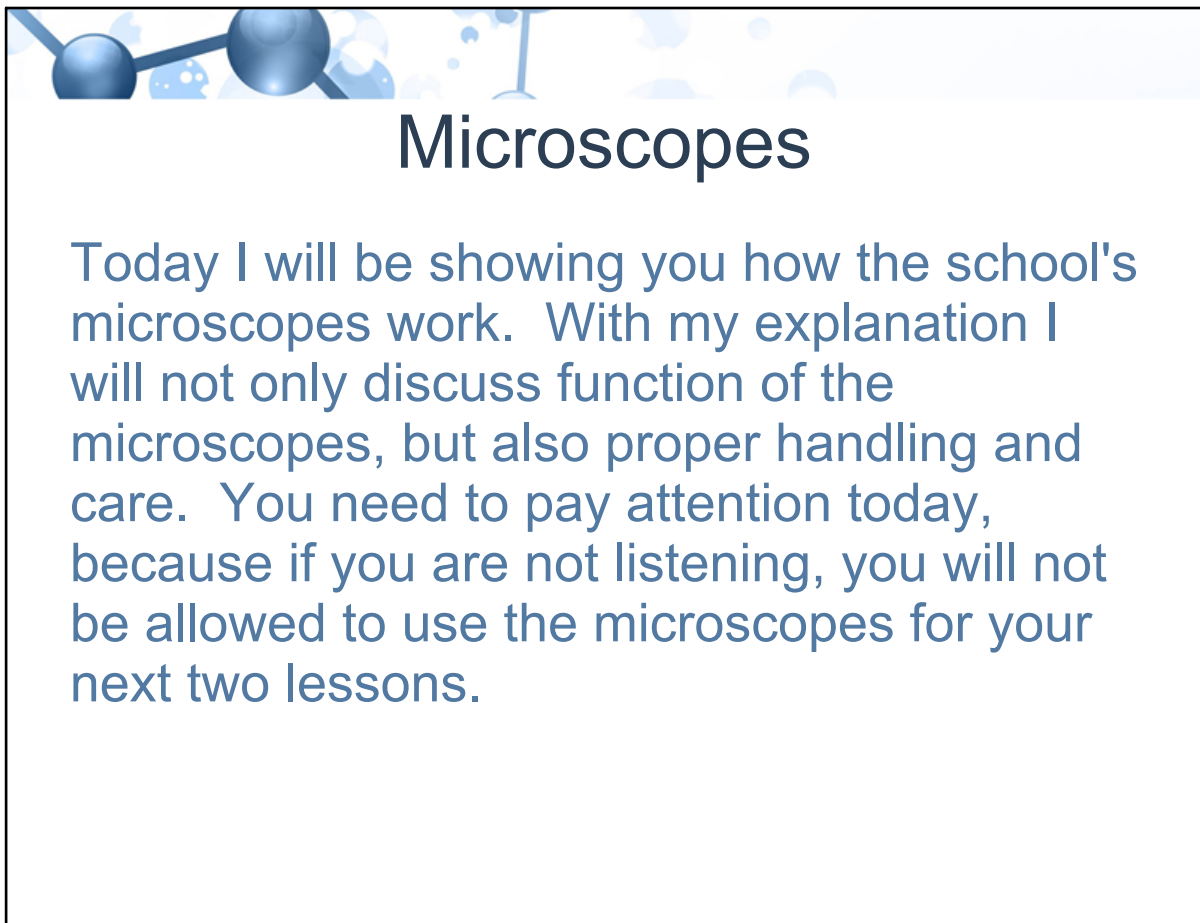
A background image featuring a blue molecular structure with spheres and connecting lines, set against a light blue gradient with faint, larger molecular shapes.

Grade 7 Science

Unit 3: Pure Substances and Mixtures

Nov 24-2:59 PM

A background image featuring a blue molecular structure with spheres and connecting lines, set against a light blue gradient with faint, larger molecular shapes.

Microscopes

Today I will be showing you how the school's microscopes work. With my explanation I will not only discuss function of the microscopes, but also proper handling and care. You need to pay attention today, because if you are not listening, you will not be allowed to use the microscopes for your next two lessons.

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Microscopes

Let's review. What are the rules we learned about the microscope?

1. red lens faces down when you pack it up.
2. when wrapping cord: it goes under light
3. raise lenses up all the way up before you put it away.
4. DO NOT touch the lenses/slide
5. don't let lenses touch slide.
6. never change magnification without permission
7. hold the plug when wrapping the cord around
8. don't get dust on microscope or bag.

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Microscopes

Here is what we will do next class. We will read through this now so that you have the entire period to perform the experiment.

The goal of the experiment is to show me that you paid attention while I explained the microscope, and to prove that you can use the microscope appropriately.

- Get in groups of 3 - this will be your lab group for the next couple classes. You can do this today so that you are ready next class.
- Each group is to prepare a wet-mount sample of a letter from a newspaper, as was demonstrated in class.
- Locate and focus on the letter at low magnification.
- Call me over to approve your findings, and I will instruct you to go to the next magnification.
- DO NOT CHANGE MAGNIFICATIONS WITHOUT PERMISSION
- Repeat, finding and focusing on medium, calling me over, and moving to high magnification.
- Each member should practise focusing at all three magnifications.
- When complete, all of your materials need to be cleaned up PROPERLY

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