

## **Science Lesson – Microscope care and overview for science lab**

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**Assume:** 19/20 students in the morning and afternoon, completing the lesson. (15 minutes at the beginning of snacks/centres. Students can eat snack while listening).

**Learning Area:** Environment and Community Awareness

### **Materials:**

- Microscopes in classroom
- Slides provided
- Misc. Science lab materials

### **Learner Outcomes: (Kindergarten Program Statement)**

- The child uses simple tools in a safe and appropriate manner.
- The child recognizes the need to care for materials, and uses materials without wasting them.

### **Focus Question/Statement**

- I can use the microscope in the science lab to investigate objects in a safe and cooperative way, and without the need for constant adult supervision.

### **Lesson Details:**

#### **Hook**

- Reminding the students of the Science Lab, and how we will be opening it up for them to do their own exploration with the microscopes and slides.

#### **Activity**

- After students come in from outside, they can grab their snack and bring to the carpet for 15 minutes of microscope introductions to begin centre time.
- We will go over the basic rules of the science lab, that includes a maximum of two scientists doing work at a time, and reminding them about sharing materials and treating our objects with respect and care.
- I will start by introducing the materials that will be present in the science lab, which include two microscopes and the pre-made slides.
- Using the document camera, I will show them how to turn the microscope on and off, as well as how to insert the slides correctly and place them in the right spot.

- I will give them examples of how not to use the materials, and asking them questions about the kind of behaviour we want to avoid in the centre.
- After going through the materials and process of looking through, we will answer any questions and make sure to repeat steps verbally so that the students are on the same page.
- The first few days will require more supervision as the students get used to the new equipment.

#### Assessment Practices:

- Observation in the science centre, and anecdotal evidence of understanding collected during the lesson as we check in with information learned.

#### **References**

Alberta Education. (2008). Kindergarten Program Statement . *Program Overview*.

Retrieved from <https://education.alberta.ca/media/563583/kindprogstate2008.pdf>.