

Name: _____

Date: _____

Homeroom Teacher: _____

Grade: _____

Microscope Lab# 1

Purpose (Focus): _____

Materials:

1. Assorted Microscope Slides
2. Pencil

Safety Concerns

1. Do not pick up or handle slides.

Procedure

1. With your table group, you will rotate through all six stations at the sound of the buzzard.
2. You will spend approximately 8 minutes per table.
3. Be sure to look at all of the specimen at each table before the buzzard goes off.
4. Complete the observations and description chart for 4 of the samples.
5. Wash your hands thoroughly and hand in your lab sheet.

Observations: Complete the chart on reverse and hand it in at the end for the class for marking.

	Level 1	Level 2	Level 3	Level 4
Thinking and Investigation				
(8s6)	- uses critical/creative thinking processes, skills, and strategies with limited effectiveness - with much assistance follows established safety procedures for investigating ecosystems	- uses critical/creative thinking processes, skills, and strategies with some effectiveness - with some assistance follows established safety procedures for investigating ecosystems	- uses critical/creative thinking processes, skills, and strategies with considerable effectiveness - with no assistance follows established safety procedures for investigating ecosystems	- uses critical/creative thinking processes, skills, and strategies with a high degree of effectiveness - with no assistance follows established safety procedures for investigating ecosystems
Communication				
(8s11)	- Student expresses and organizes ideas and information using a variety of forms with limited effectiveness	- Student expresses and organizes ideas and information using a variety of forms with some effectiveness	- Student expresses and organizes ideas and information using a variety of forms with considerable effectiveness	- Student expresses and organizes ideas and information using a variety of forms with a high degree of effectiveness
	- Few details are present OR most details are difficult to identify.	- Some details have been added. A few details are difficult to identify.	- Many details have been added. The details are clear and easy to identify.	- All details have been added. The details are clear and easy to identify.
(8s10)	- Student uses vocabulary and terminology of the discipline with limited effectiveness in oral and written communication	- Student uses vocabulary and terminology of the discipline with some effectiveness in oral and written communication	- Student uses vocabulary and terminology of the discipline with considerable effectiveness in oral and written communication	- Student uses vocabulary and terminology of the discipline with a high degree of effectiveness in oral and written communication
	- Students can use the sense of sight to observe objects and sort these accordingly by properties and non-properties (i.e. smooth, not smooth). - Students are able to describe 1 or 2 simple observations and with guidance provide detail about their observations.	- Students continue to use the sense of sight to observe and can use other senses with some prompting. - Students are able to describe several observations and use some detail in their descriptions.	- Students use more than one sense to observe with little guidance. - Students are able to make more complex observations and consistently use detail in describing these.	- Students consistently use more than one sense to observe objects and events. - Students are able to make numerous observations and describe these using careful detail.
Application				
(8s7)	- uses a microscope correctly and safely with many errors to find and observe components of plant and animal cells	- uses a microscope correctly and safely with some errors to find and observe components of plant and animal cells	- uses a microscope correctly and safely with few errors to find and observe components of plant and animal cells	- uses a microscope correctly and safely with no errors to find and observe components of plant and animal cells

Name of Specimen	Detailed Diagram	Description: colour, size, odour, shape, texture, appearance, etc. (10 words) Qualitative, Quantitative