**BIOL 121 BioBlitz Pre-Activity Survey:**

1. Have you visited the Beaty Biodiversity Museum before?

Yes, once

Yes, more than once

No (go to Q2)

If yes, under what circumstance(s)? (choose all that apply)

□ Imagine day tour

□ Activity for UBC class

□ Attended lecture/talk

□ Browsed museum

□ High school trip

□ Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

If yes, have you seen inside the research collection cabinets (in other words, have the cabinets been opened for you)?

□ Yes

□ No

🡪 go Q1b

1b. What was the most important thing you took away from your previous visit(s) to this museum?

2. What do you expect to gain from your visit to the Beaty Museum as part of your BIOL 121 course?

3. Think about the role(s) of a natural history museum. How important is it to…

[very important / important / neutral / less important / not at all important]

* Teach visitors about the history of nature and the evolution of life.
* Teach visitors about current issues in science.
* Maintain collections of biological specimens for scientific research.
* Showcase examples of Earth’s biological diversity (e.g., specific ecosystems or species).
* Allow visitors to see species they couldn’t see otherwise.
* Create curiosity and wonder about the natural world.
* Document historical records of biodiversity.

Any other roles you feel are important? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

4. Think about how biological specimens are commonly organized in a museum collection. How important is it that...

[very important / important / neutral / less important / not at all important]

* Specimens are organized according to their genus and species names.
* Specimens are organized by the date they were collected.
* Each specimen has its own unique identification number.
* Species are organized according to who collected them.
* Species are organized based on their relatedness to each other.

Other ways you think are important? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. How important are the following reasons for why a natural history museum would want to have more than one specimen, or even many specimens, from a single species.

[very important / important / neutral / less important / not at all important]

* Capture the natural variation in physical features such as shape, size, colour, etc.
* More than one specimen is necessary in order to include all life stages for some species.
* Include specimens from a variety of locations (region, country, continent, etc.)
* Extra specimens can be sold to collectors or other museums or even at the gift shop.
* Include specimens from different dates (seasons, decades, etc.)
* Include specimens from a variety of habitats.
* In case a specimen is lost or damaged, they have a replacement specimen.

Other reasons you think are important? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. Please indicate your response to the following statements:

Individuals from the same species can have different features (like size or colour) when they live in DIFFERENT environments.

Strongly disagree / disagree / neutral / agree / strongly agree

Individuals from the same species can have different features (like size or colour) when they live in the SAME environment.

Strongly disagree / disagree / neutral / agree / strongly agree

7. What programs or majors are you considering for your undergrad degree? Choose up to three top choices.

* Biology (BSc)
* Computer Science (BSc)
* Earth and Ocean Sciences (BSc)
* Environmental Science (BSc)
* Geology (BSc)
* Integrated Studies (BSc)
* Microbiology & Immunology (BSc)
* Applied Biology (BSAB)
* Kinesiology (BKin)
* Natural Resources Conservation (BSCN)
* Bachelor of Science in Forestry (BSF)
* Food, Nutrition & Health (BSFN)
* Psychology (BA)
* Geography (BA)
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

End pre-survey. Post survey begins on next page.

**BIOL 121 BioBlitz Post-Activity Survey:**

1. What is one question or curiosity you have about the Beaty Biodiversity Museum (or natural history in general) after doing this activity?

2. What did you find interesting or surprising about working with the research specimens?

3. What did you find challenging or confusing about working with the research specimens?

4. Think about the role(s) of a natural history museum. How important is it to…

[very important / important / neutral / less important / not at all important]

* Teach visitors about the history of nature and the evolution of life.
* Teach visitors about current issues in science.
* Maintain collections of biological specimens for scientific research.
* Showcase examples of Earth’s biological diversity (e.g., specific ecosystems or species).
* Allow visitors to see species they couldn’t see otherwise.
* Create curiosity and wonder about the natural world.
* Document historical records of biodiversity.

Any other roles you feel are important? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. Think about how biological specimens are commonly organized in a museum collection. How important is it that...

[very important / important / neutral / less important / not at all important]

* Specimens are organized according to their genus and species names.
* Specimens are organized by the date they were collected.
* Each specimen has its own unique identification number.
* Species are organized according to who collected them.
* Species are organized based on their relatedness to each other.

Other ways you think are important? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

6. How important are the following reasons for why a natural history museum would want to have more than one specimen, or even many specimens, from a single species.

[very important / important / neutral / less important / not at all important]

* Capture the natural variation in physical features such as shape, size, colour, etc.
* More than one specimen is necessary in order to include all life stages for some species.
* Include specimens from a variety of locations (region, country, continent, etc.)
* Extra specimens can be sold to collectors or other museums or even at the gift shop.
* Include specimens from different dates (seasons, decades, etc.)
* Include specimens from a variety of habitats.
* In case a specimen is lost or damaged, they have a replacement specimen.

Other reasons you think are important? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. Please indicate your response to the following statement:

I learned or did something during the Beaty BioBlitz activity that will be useful to me in the future.

Strongly disagree / disagree / neutral / agree / strongly agree

If you agree, can you elaborate? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Five years from now, I will remember this Beaty BioBlitz activity.

Strongly disagree / disagree / neutral / agree / strongly agree

8. Has your interest in biology changed since completing the BioBlitz activity?

□ Yes: How so?

□ No: Why not?

9. What programs or majors are you considering for your undergrad degree? Choose up to three top choices.

* Biology (BSc)
* Computer Science (BSc)
* Earth and Ocean Sciences (BSc)
* Environmental Science (BSc)
* Geology (BSc)
* Integrated Studies (BSc)
* Microbiology & Immunology (BSc)
* Applied Biology (BSAB)
* Kinesiology (BKin)
* Natural Resources Conservation (BSCN)
* Bachelor of Science in Forestry (BSF)
* Food, Nutrition & Health (BSFN)
* Psychology (BA)
* Geography (BA)
* Other: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_