

Modelling Natural Selection Through Bird Beaks

<b>Proficiency Scale</b>				
	<b>Emerging</b>	<b>Developing</b>	<b>Proficient</b>	<b>Extending</b>
	The student demonstrates an initial understanding relevant to the expected learning.	The student demonstrates a partial understanding relevant to the expected learning.	The student demonstrates a complete understanding relevant to the expected learning.	The student demonstrates a sophisticated understanding relevant to the expected learning.

Student Assessment

Teacher Assessment

**I can collect data that reliably tests a hypothesis I made.**

- Is your hypothesis clearly defined?
- Did you collect a sufficient amount of data?
- Is your data relevant to your hypothesis?

Emerging	Developing	Proficient	Extending
----------	------------	------------	-----------

**I can accurately collect and record data.**

- Did you collect data using the proper method?
- Were you precise when you performed your measurements?
- Is your data presented in a clear and organized manner?

Emerging	Developing	Proficient	Extending
----------	------------	------------	-----------

**I can make, analyze and interpret graphs.**

- Make: Did you follow the criteria sheet for proper graphing?
- Analyze: Are you able to identify the trends/patterns displayed on your graph?
- Interpret: Can you explain the meaning of the trends/patterns you identified?

Emerging	Developing	Proficient	Extending
----------	------------	------------	-----------

**I can use scientific knowledge to draw conclusions that are supported by evidence.**

- Did you specifically refer to your observations to support the conclusions you drew?
- Did you state whether the observations support or refute your hypothesis?
- Did you refer to evolution or artificial selection in your conclusion?

Emerging	Developing	Proficient	Extending
----------	------------	------------	-----------