

Performance Indicator	1	2	3	4
Use genetic data to determine patterns of inheritance in sample populations.	I can list some examples of traits that can be inherited.	I can explain how traits are passed from parents to offspring	I can evaluate genetic data to-determine how genetic traits are passed on through generations	I can evaluate genetic data to determine how genetic traits are passed on through generations and apply a mathematical model to predict inheritance patterns.
Explain factors that influence populations of organisms over time.	I can identify some factors that could affect populations.	I can explain how some factors can affect populations and evaluate which factors are most likely to cause change.	I can evaluate factors that affect population trends and use it to predict population changes over time	I can compare and contrast multiple factors that affect populations and determine their impacts on population over time
Evaluate how species develop adaptations that result in evolution over time	I can name examples of adaptive traits.	I can describe the changes that have been observed in one species over time.	I can explain how an organism's adaptations have affected their success over time.	I can assess how an organism's adaptations have affected their success over time and predict future success or failure