

**Materials:**

* Graph paper (included)
* Calculator
* Ruler

**Document List & Learning Objectives:**

* Engage: Wedge-tailed Shearwater Life Cycle
  + This Powerpoint presentation walks students through the different phases of the life of the Wedge-tailed Shearwater, with an emphasis on reproduction on land.
* Explore & Explain: Graphing Population Growth
  + Students will observe trends in nesting data and graph values for total nests, (adults incubating eggs and chicks) and nesting success over 6 years.
* Evaluate: The Life Cycle of a Wedge-tailed Shearwater
  + Students will demonstrate their new knowledge by drawing and describing one year in the life of a Wedge-tailed Shearwater.
* Elaborate: Chick Dates & Weights
  + Students will learn more about nesting by calculating the mean and median hatch dates and final chick masses.

**Skills addressed in this lesson:**

* Calculating percentages
* Calculating the mean and the median
* Graphing data
* Numerical literacy

**Activity Modifications**

* Explore & Explain: Graphing Population Growth
  + Show students data from the most recent year at the preserve and see how their estimates matched up.
* Evaluate: The Life Cycle of a Wedge-tailed Shearwater
  + Allow students the creative freedom to display their story in another format such as a poster, a video, a poem, or a story.
* Elaborate: Nest Checks
  + Students analyze data from repeated checks of shearwater nests at the preserve.