EVOLUTIONARY HISTORY

NEXT GENERATION SCIENCE STANDARDS

Jan. 4, 2019 **Day 1/77**

At the end of todays lesson you will;

- *Why do species, both living and extinct, share similarities and also have differences?*

Classwork-

- *Evolutionary History 3.2*
- *Students continue to consider how certain structures that are shared by two species but not shared by a third species can be used to determine relative relatedness.*
- *They start with a Warm-Up that asks them to choose where to place a specific type of species on an evolutionary tree, based on the structures it shares with other species on the tree.*
- *Next, they watch a video that describes how paleontologists use diagnostic structures to determine relatedness between species. Students investigate shared structures in whales, using the Sim, and use differences in shared structures to decide how to place a variety of ancient whales on the Cetaceans branch of the Sim.*
- *Students participate in the Word Relationships discourse routine to synthesize thinking about shared structures and relatedness.*

Homework-

- *Complete the Evolutionary History 3.2.4 Homework.*