SCIENCE

Jan. 12, 2018 **Day 1/81**

 ***At the end of todays lesson you will be able to explain;***

Among any three species, the two species that separated most recently are the most closely related to each other.

A physical model can be a useful tool for thinking about and explaining differences between body structures of organisms.

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Classwork-

- **Evolutionary History 3.1**
- Today, students begin to consider how populations can get repeatedly separated into different environments, which leads to multiple new branches on the evolutionary tree.
- Each branch represents a new species that can have some similarities to and some differences from the common ancestor population.
- Students use *K'NEX* building pieces to create physical models of different possible species on a model evolutionary tree branch, representing how both similarities and differences in structures arise over time.
- Students then create a model showing inferences they have made about uniquely shared structures, based on knowledge of structures of a given common ancestor.

Homework-

- Complete and submit the Section 3.1 Homework.