What is a Skeleton? 35 min

Objective:
Compare animal groups that have exoskeletons - with animals, like humans, that have endoskeletons

Big Idea:
Bodies need structural support

1. Warm Up / Anticipatory

Books to feature:
Box Turtle gives a fictional timeline to one turtle. The story starts in 1892.

Box Turtle - written and illustrated by John Himmelman
What is a Skeleton?
http://wg.wonderopolis.org/lessons/what-is-a-skeleton

Turtles and Snails - written by Gallimard Jeunesse and Gilbert Houbre, illustrated by Gilbert Houbre

After reading these books - what do you know about turtles and snails? How are they alike? How are they different. What are some questions you have about skeletons? Humans have an endoskeleton - but science is working to address paralysis through exoskeleton technology:

Indego - powered exoskeleton

Resources

- Indego - powered exoskeleton https://www.youtube.com/watch?v=SrNFlu8-jz0

2. Investigation and New Learning 20 min

Visit the world's only skeleton museum:
https://skeletonmuseum.com/exhibits-okc/3/what-is-a-skeleton.htm

What is a bone?
What is collagen?
What is the difference between a vertebrate and an invertebrate?
What is cartilage?
What is a ligament?
Are teeth bone?

3. Review & Check for Understanding 30 min

Pick different animals to research online - Cleveland Metroparks Zoo and Smithsonian Zoo are some of the possible sites to use:

https://resourcelibrary.clemetzo.com/Animal/37
https://nationalzoo.si.edu/animals/eastern-box-turtle