6th Grade Science Work for December 7-11, 2020

During this week, we will begin transitioning from the Geologic History of Earth to the Fossil Record. These two units are really well interconnected; fossils tell us a lot about the history of the Earth. We bagan this unit last Friday and students were extremely interested in it. We've already discussed how scientists discovered that dinosaurs had feathers by using a fossil of a dinosaur tail in amber. Really interesting! I encourage you to ask your child about it.

What you need to know:

- **Vocabulary**
    - o **Chronological Order** – The arrangement of things in the order that they occurred.
    - o **Diversity** – The quality or state of having many different forms, types, ideas, etc.
    - o **Extinction** – The permanent disappearance of a species from Earth.
    - o **Fossil Record** – The mineralized remains of organisms and the rock layers in which they are found, showing when and where long-dead organisms lived and how their bodies were structured.
    - o **Fossils** – The mineralized remains of organisms, showing how long-dead organisms lived and how their bodies were structured.
    - o **Law of superposition** – Scientific law that states fossils located in deeper sediment layers are older than ones deposited in layers closer to the surface.
    - o **Petrification** – The formation of fossils as stone replaces decaying tissues.
    - o **Radioactive Dating** – Technique used to determine how old a rock is by analyzing the amounts of a radioactive isotope and its decay products in the rock.
    - o **Sedimentary Layers** – Layers of rock that are successively deposited on top of one another and are distinguishable from one another based on their mineral contents.

This week, students are expected to complete the following assignments:

Microsoft Teams:

- Fossil Record Unit PowerPoint (Monday-Thursday)
- Geological History of Earth/Fossil Record Quiz (Friday, will be made available that morning)

Nearpod:

- Monday Warm-Up
    - o CODE: **BP7MX**
- Tuesday Warm-Up
    - o CODE: **W4GQK**
- Wednesday Warm-Up
    - o CODE: **YCZV2**
- Thursday Warm-Up
    - o CODE: **FU2MY**
- Friday Warm-Up
    - o CODE: **FIMV9**