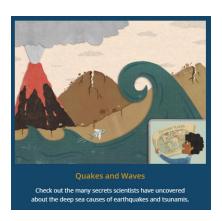
# SUPPLEMENTAL RESOURCES EARTH'S SECRETS POP-UP/DRILL DOWN EXHIBIT



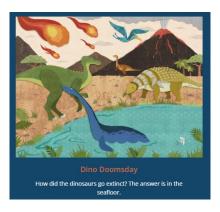
#### **Quakes and Waves**

- Questions to think about:
  - How does the seafloor create earthquakes? Tsunamis?
  - What is a subduction zone?
- Drill Down Deeper: Hands-on Activities, Videos, and Blogposts: https://joidesresolution.org/public/in-search-of-earths-secrets/drill-down-deeper/quakes-and-waves/



# **Drilling the Deep**

- Questions to think about: How do drill bits cut through the seafloor? How do we drill and core through hard sediment and rock?
- Drill Down Deeper: Hands-on Activities, Videos, and Blogposts: https://joidesresolution.org/public/in-search-of-earths-secrets/drill-down-deeper/drilling-the-deep/



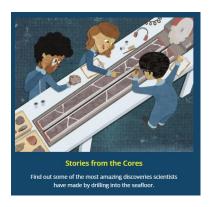
#### Dino Doomsday/ Geology Under the Sea

- Questions to think about:
  - o How did the dinosaurs go extinct?
  - o What are plate tectonics?
  - o What is seafloor spreading?
- Drill Down Deeper: Hands-on Activities, Videos, and Blogposts: <a href="https://joidesresolution.org/public/in-search-of-earths-secrets/drill-down-deeper/dinosaur-doomsday/">https://joidesresolution.org/public/in-search-of-earths-secrets/drill-down-deeper/dinosaur-doomsday/</a>



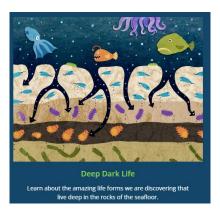
# **Deep Sea Fossils**

- Questions to think about:
  - Why do scientists study the magnetic minerals in cores?
  - o Why is it interesting to have minerals able to register Earth's' magnetic field?
- Drill Down Deeper: Hands-on Activities, Videos, and Blogposts: https://joidesresolution.org/public/in-search-of-earths-secrets/drill-down-deeper/deep-sea-fossils/



#### **Stories From the Core**

 Drill Down Deeper: Hands-on Activities, Videos, and Blogposts: https://joidesresolution.org/public/in-search-of-earths-secrets/drill-down-deeper/stories-from-the-core/



### **Deep Dark Life**

 Drill Down Deeper: Hands-on Activities, Videos, and Blogposts: https://joidesresolution.org/public/in-search-of-earths-secrets/drill-down-deeper/deep-dark-life/the-core/



#### What Is a Core

• Drill Down Deeper: Hands-on Activities, Videos, and Blogposts: https://joidesresolution.org/public/in-search-of-earths-secrets/drill-down-deeper/what-is-a-core/