

## **Fourth Grade Science Preparedness Action Plan**

### **Washington Park School**

Please use Office 365/One Note to find all assignments and guides. For only those students who DO NOT have internet access, paper copies will be available. All assignments will be graded once they are submitted.

\*\*Days 1-5: Read from the Article a Day set on readworks.org. Read from the handout or online. 2 boost articles are included ( online) in the set for **optional** reading. An Audio version of each article is also included on the readworks.org.

### **Unit: Earth's Structures- Plate Tectonics and Continental Drift**

Day 1: Read from the article a Day- " Clues from the Sea Floor"

- Read the handout or on readworks.org/student.
- Complete the Book of Knowledge question for article 1 either online or included in the handout.

Day 2: Read from the article a Day- "Earth's Changing Surface"

- Read the handout or on readworks.org/student
- Complete the Book of Knowledge question for article 2 either online or included in the handout.

Day 3: Read from the article a Day- "Searching for "How" of Continental Drift"

- Read the handout or on readworks.org/student
- Complete the Book of Knowledge question for article 3 either online or included in the handout.

Day 4: Read from the article a Day- "Continents that Drift"

- Read the handout or on readworks.org/student

- Complete the Book of Knowledge question for article 4 either online or included in the handout.

Day 5: Read from the article a Day- “The Theory of Plate Tectonics”

- Read the handout or on [readworks.org/student](http://readworks.org/student)
- Complete the Book of Knowledge question for article 5 either online or included in the handout.

### **Days 6-10**

**\*\*Continue with 1 more Article a day, 2 additional articles, and a project.**

Day 6: Read from the article a Day- “Clues about the Climates”

- Read the handout or on [readworks.org/student](http://readworks.org/student)
- Complete the Book of Knowledge question for article 6 either online or included in the handout.

Day 7: Read “How Plates Affect our Planet: Pangaea”

- Read the handout or on [readworks.org/student](http://readworks.org/student)
- Complete the question set at the end of the article. Response can either be on the handout or online.

Day 8: Read “How Plates Affect our Planet: Mountains”

- Read the handout or on [readworks.org/student](http://readworks.org/student)
- Complete the question set at the end of the article. Response can either be on the handout or online.

Day 9: Project- Wegener’s Puzzling Evidence

- Handout included
- After reading the articles over the last few days- you will complete an activity based on Wegener’s Theory of Continental Drift.

Day 10: Project- Wegener’s Puzzling Evidence- Response

- After you have your 1 super continent glued together- complete the response questions attached.

## Wegener's Puzzling Evidence

Alfred Wegener's theory of Continental Drift states that all the continents were once joined together to form one giant super continent called Pangaea. They later drifted apart to form the continents as they are today.

One piece of evidence that he used to support this theory was **fossils**.

- Fossils of various animals were found on multiple continents. These animals were land animals and could not have swam across the ocean to reach the other continents. He said the continents must have been joined together at one time for these animals to walk across the land.
- Fossils of tropical plants were found in Antarctica. He said that the continents were once joined together in order for this type of plant to have grown in both regions.
- Fossils of the fern plant, Glossopteris was found on multiple continents. The seed for this plant would not have been able to reach the continents by traveling in the ocean. They would not have survived. He said the continents must have been joined together at one time for the seeds to travel across the land and replant themselves.

## Activity

- Using the articles and the above information to complete Wegener's Puzzling Evidence Activity
- 3 sheets are included. Descriptions of each fossil and what to color them. Landmass puzzle pieces, and the response question set.
- Color each fossil on the landmasses the colors indicated on the direction sheet. Each "like" fossil will be the same color.



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