



Annotated Teacher's Trunk Guide

1. **Video:** Introduce your students to the Marin Headlands and the *Rocks on the Move* Program.

<http://www.nps.gov/goga/forteachers/secondary-02.htm>

2. **Beach Ball Earth:** Introduce your plate tectonics unit using the beach ball activity. This questioning activity allows students to become familiar with vocabulary and assess their prior knowledge.

<http://www.nps.gov/goga/forteachers/upload/Beach%20Ball%20Earth%20WEB2.pdf>

3. **Questioning the Franciscan Rocks:** Students use observation, descriptive language and inquiry to investigate rocks of the Franciscan Complex and their unique histories. Lesson plan attached to following link under *#4 Building Local Knowledge*

<http://www.nps.gov/goga/forteachers/upload/Questioning-the-Franciscan-Rocks-lessons-and-worksheets-11-2011.pdf>

4. **Magic Windows:** Students explore different time periods of the Golden Gate simultaneously, while recognizing and evaluating geologic changes.

<http://www.nps.gov/goga/forteachers/upload/Magic%20Windows%20-%20GGB%20Poster%20WEB1-3.pdf>

5. **Subduction Construction:** Use this game to further enhance student knowledge regarding Franciscan Complex rocks and the Cretaceous Period subduction zone.

<http://www.nps.gov/goga/forteachers/subduction-construction.htm>

6. **Tectonic Travel Vacation:** Assess student learning while integrating history and culture into this plate tectonic project. Students design a trip which traverses multiple tectonic plates, while incorporating culturally significant stories from each destination. Lesson plan attached to following link.

<http://www.nps.gov/goga/forteachers/tectonic-travel-decal-information-sheets.htm>

7. **Student Activities:**

- a. Tectonic Jeopardy:
<http://www.nps.gov/goga/forteachers/upload/Tectonic%20Travel%20Jeopardy.pdf>
- b. Tectonic Crossword:
<http://www.nps.gov/goga/forteachers/upload/Tectonic%20Travels%20Crossword.pdf>
- c. Franciscan Complex Crossword Puzzle:
<http://www.nps.gov/goga/forteachers/upload/Franciscan%20Complex%20Crossword%20combined.pdf>
- d. Rock Talk Crossword Puzzle
<http://www.nps.gov/goga/forteachers/upload/new%20Rock%20Talk%20Crossword%20%20WEB%202-11-10.pdf>