**GEOLOGY: VAGABONDS TRAMPING THROUGH GEOLOGY: AUSTIN TO THE ARCTIC**

 **Winter 2012**

**Week 1 – Getting to the Pacific (Rocky)**

* + - Geology
			* + Earth Composition
				+ Plate tectonics
				+ Geologic time scale
		- Vagabond travels to the West Coast
			* + Becoming vagabonds
				+ Caverns - Carlsbad Caverns, New Mexico
				+ Craters - Meteor Crater, Arizona

**Week 2 –West Coast USA (Sandi)**

* + - Geology
			* + Rock cycle & rock types
				+ Folds & faults
				+ Weathering & Erosion
		- Vagabonds in California
			* + Yosemite National Park
				+ Lakes Tahoe
				+ Giant Redwoods National Park

**Week 3 – West Coast USA (Rocky)**

* + - Geology
			* + Subduction zones
				+ Volcanoes: mountain building, hot spots, basalt floods
		- Vagabonds in Oregon/Washington
			* + Columbia River
				+ Mount St. Helens
				+ Crater Lake

**Week 4 –British Columbia & the Yukon (Sandi)**

* + - Geology
			* + Ice Ages & glaciation
				+ Exotic terranes
		- Vagabonds in British Columbia & the Yukon
			* + The coast and the mountains
				+ Early peoples: First nations, Russians, 1898 gold rushers
				+ Human pathways: Al-can Highway, Alaska Marine highway

**Week 5 –Alaska – Part 1 (Rocky)**

* + - Geology
			* + Earthquakes & Tsunamis
		- Vagabonds in Alaska
			* + 1964 Alaska earthquake
				+ Alaska oil & the pipeline

**Week 6 – Alaska – Part 2 (Sandi)**

* + - Geology
			* + Ring of Fire
		- Vagabonds in Alaska
			* + Mt McKinley& Denali National Park
				+ The Arctic Circle

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