Arceneaux 8th Grade Science Lesson Plan for the Week of Feb 13-Feb 16

	Monday	Tuesday *I leave at 3pm Tues/Thurs	Wednesday * Class period schedule is flipped and shortened*	Thursday *I leave at 3pm Tues/Thurs	Friday
Objectives: **8.10 (A) recognize that the Sun provides the energy that drives convection within the atmosphere and oceans, producing winds and ocean currents**	SWBAT: • Reflect and review their answers to the Unit 2 exam • Identify and define vocabulary related to ocean currents.	SWBAT: • Identify and explain the causes of ocean currents	SWBAT: • Understand that temperature changes can cause density changes in water and express that the same phenomenon happens in air • Understand that temperature-driven density changes will produce currents in a fluid medium	SWBAT: • Read an ocean current map	SWBAT: • Analyze, apply and demonstrate how the currents caused, how to read an ocean currents and sea/land breeze map
P	ENGAGE: • Teacher will ask: "How are hot air balloons, lava lamps, the Earth's crust, the oceans and the sun connected?"	ENGAGE: • Teacher will ask: "Does ocean water move around the Earth?"[Note: It takes 1,000 years to complete the 'global conveyor belt cycle' of currents] • Brain Pop Video on Ocean Currents	ENGAGE: • Teacher will ask: "What would happen when if I place this piece of cork in water? What about a rock? Why?"[Note: Can use a chemistry density column here]	ENGAGE: • Teacher will ask: "Have you ever wondered why the colonial explorers landed where they did?"	ENGAGE: • Teacher will ask: "How do currents affect wildlife in the ocean?"
LA			EXPLORE	EXPLAIN:	ELABORATE:

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			• Convection current demonstration with ice, hot water and food coloring [Note: change in density of fluid medium with heat]	• How to read an ocean current map with class and independent practice	• Gallery Walk on ocean currents, reading an ocean current map and land/sea breezes
N	EVALUATE/ASSESS: • Teacher will walk around and ask questions to informally assess students comprehension	EVALUATE/ASSESS: • Teacher will walk around and ask questions to informally assess students comprehension	EVALUATE/ASSESS: • Teacher will walk around and ask questions to informally assess students comprehension	EVALUATE/ASSESS: • Teacher will walk around and ask questions to informally assess students comprehension	EVALUATE/ASSESS: • Teacher will walk around and ask questions to informally assess students comprehension
Resources	• Daily Warmup Handout • Exam reflection Sheet • Exam answers • Vocabulary Handout • Student Notebooks	• Daily Warmup Handout • Cloze Note Sheet • Brainpop Video: Ocean Currents • Student Notebooks	• Daily Warmup Handout • Graphic Organizer • Ocean Currents PowerPoint • Ice Cube Convection Currents Demonstration Materials • Cork, Rock and/or chemistry density column	• Daily Warmup Handout • Land and Sea Breezes Video • Ocean current map handout	• Daily Warmup Handout • Gallery walk supplies