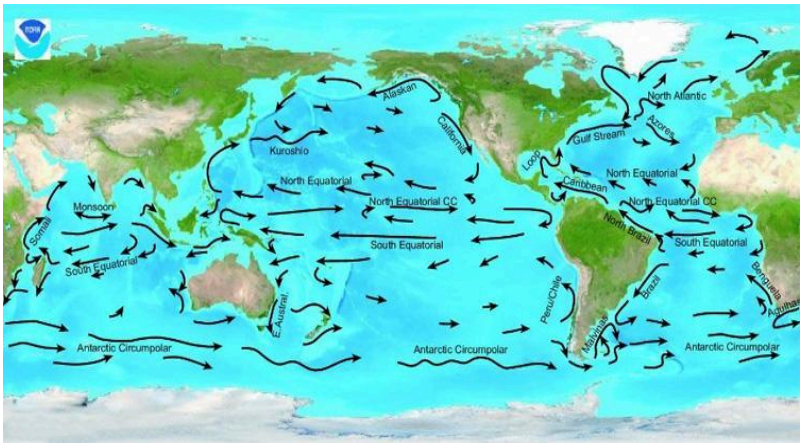
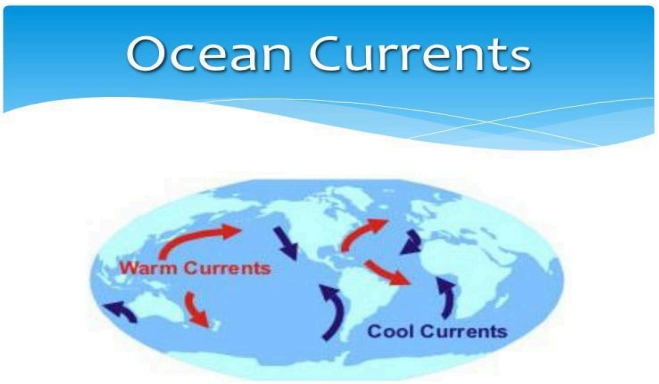
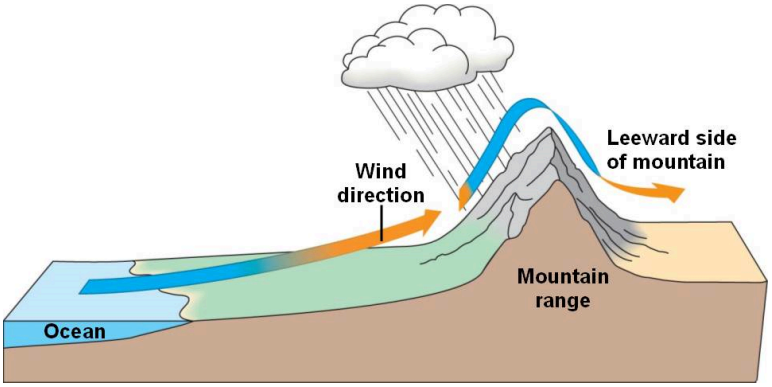
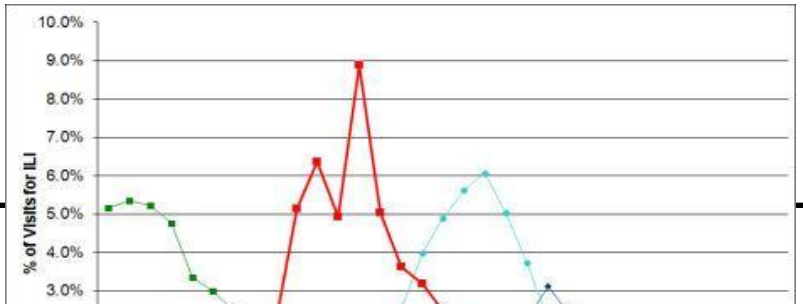
GRADES 1 to 12 DAILY LESSON LOG	School:		Grade Level:	
	Teacher:	Depedtrends.com	Learning Area:	
	Teaching Dates and Time:		Quarter:	

I. OBJECTIVES	
A. Content Standards	The learners demonstrate understanding the factors that affect climate, and the effects of changing climate and how to adapt accordingly.
B. Performance Standards	The learners can participate in activities that reduce risks and lessen effects of climate change.
C. Learning Competencies Write the LC code for each	The learner should be able to explain how different factors affect the climate of an area. **S9ES-IIIE-30**
D. Learning Objectives	Explain how distance from the ocean affects climate.
II. CONTENT	
III. LEARNING RESOURCES	
A. References	
1. Teacher's Guide pages	188-191
2. Learner's Materials pages	147-148
3. Textbook pages	
4. Additional Materials from Learning Resource (LR)portal	
B. Other Learning Resources	
IV. PROCEDURES	
A. Reviewing previous lesson or presenting the new lesson **(2 mins.)** **elicit**	Let the learners explain how altitude affects climate based on the discussion last meeting. *Say: As you increase in elevation, there is less air above you thus the pressure decreases. As the pressure decreases, air molecules spread out further. How are elevation and climate related? (Let the learners read the objective of the new lesson).*
B. **Establishing a purpose for the lesson** **(1 min.)** **Engage**	-Show to the learners a picture about how distance from the ocean affects climate change. 1. What can you say about the picture? 2. What is your impression about the picture? 3. Do you have any idea of our new lesson today?
C. Presenting examples/ instances of the new lesson **Explore** **(2-5 mins.)**	-Group the learners into 5. -Each group will perform Activity 3: Which Cools and Heats Fast -the teacher will provide a rubric for group activity. -Give the students 30 minutes to perform the activity.
D. **Discussing new concepts and practicing new skills #1** **Explain** **(15 mins.)**	The ocean plays a fundamental role in shaping the climate zones we see on land. Even areas hundreds of miles away from any coastline are still largely influenced by the global ocean system.

	 *Illustration of major ocean currents throughout the globe. Ocean currents act as conveyer belts of warm and cold water, sending heat toward the polar regions and helping tropical areas cool off.* Additional task per group may answer the following; Group 1 – How does ocean proximity affect climate? Group 2 – What effect does ocean currents have on the climate? Group 3 – How do wind currents affect climate? Group 4 – How does water temperature affect ocean current? Group 5 – How do ocean currents affect a region's of climate?
E. Discussing new concepts and practicing new skills#2 **(10 mins.)**	• Based on the discussion, how does distance of the ocean affects climates? What is the role of ocean current to the climate?
F. Developing mastery **(Leads to Formative Assessment 3)** **(12 mins.)** **Elaborate**	
G. Finding practical applications of concepts and skills in daily living **(3 mins.)**	From the discussion about the distance from the ocean affects climate, the ocean absorbs a lot of CO_2, causing the global cooling effect. How many times does the ocean can hold carbon dioxide which is more than the atmosphere?
H. Making generalizations and abstractions about the lesson **(3 mins)**	How do Ocean Currents affect Climate? **Warm ocean currents warm the land they pass while cold ocean currents cool the land they pass.** **Example – Gulf of Mexico warms the coast of Gulf of Mexico. The Bering Sea cools the coast of** 

	Why there are areas experiencing El Niño and La Niña? How is it related to the distance of the land area to the ocean?
I. Evaluating learning **(8 mins)**	 From the picture above, explain how distance from the ocean affects climate. *(Teachers may provide rubric to evaluate the answer of the students).*
J. Additional activities for application or remediation **(1 min)**	Describe the relationship of leeward and windward to the distance of a land area in the ocean. 
V. REMARKS	What can say about the diagram? What is the connection of tilt and latitude from this illustration? 

VI. REFLECTION	
A. No .of learners who earned 80% on the formative assessment	
B. No. of learners who require additional activities for remediation.	
C. Did the remedial lessons work? No. of learners who have caught up with the lesson.	
D. No .of learners who continue to require remediation	
E. Which of my teaching strategies worked well? Why did these work?	
F. What difficulties did I encounter which my principal or supervisor can help me solve?	
G. What innovation or localized materials did I use/discover which I wish to share with other teachers?	

Prepared by:

Checked by

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Teacher

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School Head

Observed by:

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