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| **Grade 9 Academic Geography Tuesday November 2, 2010** |  **75 mins** |
| Lesson Summary/Big Idea: Climate questions answered and text assignment work period |
| **Curriculum Expectations**  | **Learning Goals**  |
| List overall and specific expectations addressed* Learn about the five factors that affect climate (latitude, altitude, topography (surface features), oceans and large lakes, earth’s winds)
* Learn about rain shadows, moderating winds, the 6 wind belts
* What convectional, frontal and relief rainfall are
* The difference between coastal and continental climate
 | Upon completion of this lesson, you will: * know about the 5 factors that affect climate and how they affect climate
* improved your knowledge about rain shadows, moderating winds, the 6 wind belts of earth
* be able to explain what convectional, frontal and relief rainfall are
* know that coastal climates are those affected by oceans and continental are inland climates that are not close to oceans or seas
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| ***Minds On*** ***(Elicit and Engage)*** *Approx. Time ( 5-10 min)* | Assessment for Learning |
| **Purpose of Minds On: establish a positive learning environment, connect to prior learning and/or**  **experiences, set a context for learning**Show the Provinces and territories song:<http://www.youtube.com/watch?v=iKk_SqXFBlM&feature=related> | Questioning  |
| ***Action!*** ***(Explore, Explain)*** *Approx. Time ( 45-50 min)* |  |
| **Purpose of Action: introduce new learning, provide opportunities for practice and application of learning**Five Factors that Affect Climate<http://www.youtube.com/watch?v=E7DLLxrrBV8>Convectional rainfall: <http://www.youtube.com/watch?v=RkgThul2El8&p=79C167D76C644D26&playnext=1&index=41>Frontal rainfall: <http://www.youtube.com/watch?v=D88dYNFyBq8&feature=related>Relief rainfall: <http://www.youtube.com/watch?v=BVykQfRC_aI&feature=related>Sublimation (conversion of a solid directly into a gas): <http://www.youtube.com/watch?v=0_LWBgeQrvk&feature=related>GDP and Climate : <http://www.youtube.com/watch?v=qxmVJnwWeTY> GDP song by Alan AtKissonStudents continue working on their text assignments.I will conference briefly with each student today and Wednesday. Give them an update of their marks on the screen. Get their province presentations as well. |  |
| ***Consolidation (Elaborate, Evaluate, Extend)***  ***Approx. Time (5-10 min)***  |  |
| **Purpose of Consolidation: provide opportunities for consolidation and reflection on learning** Have students write on exit cards one thing they learned today and one question they have about the physical geography of Canada. Collect the sheets on the way out. | Class discussionExit notes |
| ***Next Steps***  |
| We will have a unit test on the physical geography of Canada on Friday Nov 5. Questions will be taken right from the webquest work and text work. It will be open book.They should know a bit about each physical region, population distribution (where is it most dense or sparse and why), natural resources, and climate, and connections between the physical features and population. Thursday we will play a jeopardy game as a review. We will use the smartboard.  |  |