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| Subject: | Science |
| Title: | Hockey Weather |
| Grade Level: | 5 |
| Purpose: | Students develop an understanding that outdoor hockey can only be played in certain climates. Through inquiry they learn how human activity is affecting where the game can be played. |
| CurricularConnections: | * Describe the effects of the Sun’s energy on daily and seasonal changes in temperature— 24-hour and yearly cycles of change.
* Recognize that weather systems are generated because different surfaces on the face of Earth retain and release heat at different rates.
* Recognize that human actions can affect climate, and identify human actions that have been linked to the greenhouse effect.
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| Materials: | * Technology – Chrome Books, Computer lab, Ipads etc.
* Paper or poster paper
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| Activity: | 1. In groups of 4 or 5 students work on an inquiry-based project answering the following questions:
* **Where** can outdoor hockey be played?

 Geographical locations * **Why** can outdoor hockey be played? climate/seasons/sun’s energy
* **How** has human activity affected where it can be played? Greenhouse effect/human activity – fossil fuels, industrial pollution, clearing of forests etc.
1. Students use technology (chrome books, computer labs, Ipads etc.) to research and answer the questions in #1.
2. Teacher forms **who, what, where, when, why, and how** questions to guide students’ research.
3. Specify how students are to record answers. Suggestions: on blank paper, poster paper, PowerPoint, etc.
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| Extension: | Students extend their inquiry by answering other questions:* What is the history of outdoor hockey?
* How is it played outdoors today? – outdoor game in L.A.

Include student-based questions from their research and their personal interests.  |
| Assessment: | * Circulate and observe when groups are working.
* Groups submit a “Hockey Weather” project showing an understanding of geographical locations and climates that are suitable for outdoor hockey.
* Students recognize the affect of human actions on climate.
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