



## Brightwater Site

### **Possible Ethno-Botany Curricular Connections** with Sandra Walker

Below are possible curricular connections that Sandra can help you meet through inquiry and program design.

#### **Grade 7 Science**

##### ***Interaction within ecosystems***

- IE7.1 Relate key aspects of Indigenous knowledge to their understanding of ecosystems
- IE7.2 Observe. Illustrate & analyze living organisms within local ecosystems as part of interconnected food webs, populations and communities
- IE7.3 Evaluate biogeochemical cycles as representations of energy flow and cycling of matter through ecosystems
- IE7.4 Analyze how ecosystems change in response to natural and human influences and propose actions to reduce the impact of human behaviour on a specific ecosystem

##### ***Mixture and Solutions***

- MS7.1 distinguish between pure substances and mixture using the particle model of matter
- MS7.2 Investigate methods of separating the components of mechanical mixtures and solutions and analyze impact of industrial and agricultural applications of those methods
- MS7.3 Investigate the properties and applications of solutions. Including solubility and concentration

##### ***Heat and Temperature***

- HT7.1 Assess the impact of past and current heating and cooling technologies related to food clothing and shelter on self, society and environment.
- HT7.2 Explain how understanding differences between states of matter and the effects of heat on changes in state provide evidence for particle theory
- HT7.3 Investigate principles and applications of heat transfer via processes of conduction

### ***Earth and Space Science***

- EC7.3 Investigate the characteristics and formation of the surface geology of Sask including soil and identify correlations between the surface geology and past, present and possible future land uses.

### **Social Studies Grade 7**

#### ***Interactions and Interdependence of Nations***

- IN7.2 Examine the effects of globalization on the lives of people in Canada and in circumpolar.
- IN7.3 Analyze the relationship of technology to globalization

#### ***Dynamic Relationships***

- DR7.1 Analyze use various types of maps that provide differing perspectives and information for differing purposes.
- DR7.3 Analyze the relationship between current and historical events and physical and social environments

#### ***Resources and Wealth***

- RW7.1 Explain the role of barter, trade and sharing in traditional economies
- RW7.2 Investigate the influence of resources upon economic conditions of people
- RW7.3 Assess the ecological stewardship of economies of Canada