



Bee Smart

An inquiry into colony collapse disorder

PSS Middle School, Pemberton, BC, Canada

How might we EDUCATE people on the importance of bees?

Overview

In this cross-curricular inquiry, we will be combining Socials Studies, Science, Math, and English to investigate why bee populations are declining, the implications of bee extinction, and how we can have a conservation effect. **Students will produce group products that will engage and educate their audience on the importance of bees and bee conservation** to show their learning in the four major curricular areas.

Goals

- Write an organized explanatory paragraph that contains a variety of sentence structures, technical vocabulary, and follows language conventions.
- Learn and apply relevant scientific, historical, geographic and cultural knowledge to study and solve a real-world problem
- Conduct research using and citing appropriate resources, and discerning reliable sources from unreliable.
- Demonstrate learning with an authentic audience using oral language strategies and conventions.
- Work toward answering a relevant question while making real world connections.
- ❖ French Immersion: Conduct research in the French language, and complete final project in French to enhance both the oral and written French language.

Specifications

In **small groups** from your Humanities class, you will create a product that EDUCATES people on why bees are important and how we can conserve bees. This product could be:

Documentary	Poster campaign	Insta campaign	Short story
Cartoon	Build bee hives	Article	(Your Idea Here!)

These will be presented in an Exhibition of Learning

November 2019.

Individually, you will engage in check-points to assess your learning and plan your next steps in your learning.

Science	Socials	English	Math	FRAL
September <ul style="list-style-type: none"> Life science knowledge Observing Planning experiments Research papers 	September <ul style="list-style-type: none"> Ancient Culture, society & civilizations Inquiry skills: questioning, summarizing, comparing 	September <ul style="list-style-type: none"> Paragraphing Oral language Reading info Reading lit 	September <ul style="list-style-type: none"> Integers/operations knowledge Modelling math Geometric concepts 	Septembre <ul style="list-style-type: none"> La communication orale Les strategies de lecture Les techniques d'écriture
October <ul style="list-style-type: none"> Life Science knowledge Using equipment correctly 	October <ul style="list-style-type: none"> Change, trade & conflict in the Middle Ages Inquiry skills: making connections & inferences 	October <ul style="list-style-type: none"> Paragraphing Oral language Reading info Reading lit 	October <ul style="list-style-type: none"> Integers/operations knowledge Visualising concepts Communicating 	Octobre <ul style="list-style-type: none"> La communication orale Les strategies de lecture Les techniques d'écriture Les techniques de recherche sur internet
November <ul style="list-style-type: none"> Life Science Knowledge Data analysis Interpret the local environment 	November <ul style="list-style-type: none"> Innovations & expanding empires Inquiry skills: supporting and communicating ideas and drawing conclusions 	November <ul style="list-style-type: none"> Paragraphing Oral language 	November <ul style="list-style-type: none"> Spatial proportional reasoning Making connections Problem solving 	Novembre <ul style="list-style-type: none"> La communication orale Les strategies de lecture Appliquer des stratégies d'enrichissement Identifier et analyser les valeurs culturelles

Assessment

You will be introduced to the main rubrics that we will be cycling through for the entire year in the first two weeks of the term. You will be assessed individually at least once with the main rubrics before the Exhibition of Learning.

Science	Socials <small>*In French for Immersion</small>	English	Math	FRAL <small>*Immersion students only</small>
Knowledge Lab skills Communication	Knowledge, Comparison, Analysis and Synthesis of current and historic topics	Writing Oral Language Reading Info Reading Lit	Mathematical operations Problem solving Communicating	L'Écriture La Communication Orale La Compréhension Orale La Lecture