

The Bee Science Club – What Flowers are the bees visiting?	
Overview	Notes
<p>We will be using our observational skills to discover what flowers the bees are visiting.</p> <p>Watch Bee Science Club video.</p> <p>Remember the prior knowledge we have on pollen, and how bees carry it from flowers to the hive. Where do they store it?</p> <p><i>After watching question: “Where is the pollen coming from? What flower does the darker pollen come from?”</i></p> <p>Goldenrod, Heath Aster, Frost Aster, Sow Thistle, New England Aster, White clover and Alsike clover, brown-eyed Susan, Evening Primrose are all the wild flowers still on the Wild Flower Bee farm.</p> <p>The list of wild flowers can help with individuals researching the wild flowers that the bees could potentially be visiting. Have them record the details of each in order to help make observation notes easier.</p> <p><i>After watching question: “What is propolis?”</i></p> <p>Find out what propolis is – review any previous notes – and find out how it is used by the honey bees? Does it have any other uses?</p> <p>Pollen versus Nectar.</p> <p>What is the difference between pollen and nectar? What do they do? How do the bees use it?</p> <p><i>Refer to materials for support on questions.</i></p> <p>There are several questions to respond to based on today’s video. How many questions do you have to research? How many questions did you already know the answer to??</p>	
Materials	
<ul style="list-style-type: none"> - Approximate time: 20 minutes - Wild flower bee science club video 4: https://youtu.be/ObKtcGRtFDg - Wild flower resource: https://onplants.ca/product-category/wildflowers/ - Native plants for pollinators resource: https://cvc.ca/wp-content/uploads/2021/03/com_-_uo-nativeplantsforpollinators_f-web.pdf - How do bees use propolis? Resource: https://mountainsweethoney.com/what-is-propolis-how-do-honey-bees-use-it/ - Extended research on propolis: https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3872021/ - Nectar and pollen resource: https://www.navmi.co.in/what-are-nectar-and-pollen/ 	
Goals	
<ul style="list-style-type: none"> - To observe bees and their pollination patterns at the Wild Flower Bee farm 	
Lesson Objectives	
<ul style="list-style-type: none"> - To find out what flowers are the bees visiting - Learn what propolis is and is used for - Learn about pollen versus nectar 	

<p>Student Activities</p>	
<ul style="list-style-type: none"> - Discussion about the colour of pollen that comes from certain wild flowers - Discussion on propolis; on pollen versus nectar - Researching and responding to the various questions below 	
<p>Assessment of learning / Questions</p>	
<p>Research different way wild flowers and the potential colour of their pollen. Take notes and record all the different pollen you see on the bees entering the hive. What is the most popular flower they are visiting?</p> <p><i>Respond:</i> Propolis was mentioned in the video? How are the bees using it? Are bees the only ones that use this, does it have other purposes?</p> <p><i>Complete:</i> Bee science students should be recording the differences between pollen and nectar. How do the bees use them?</p> <p><i>Extra:</i> Research what type of bees are in the hive – European Italian bees and crossover with Carniolan honey bee</p>	