

The Bee Science Club – Infrared Light	
Overview	Notes
<p>We want to learn all about the impact an infrared light can have on the honey bee.</p> <p>Watch the Bee Science Club video.</p> <p><i>After watching questions: What do infrared lights do to honey bees? Are they helpful? Are they harmful?</i></p> <p><i>Refer to materials for support.</i></p> <p>Provided are several websites with lots of information on</p> <p>Sign up for our Bee Science Club at wildflowerbeefarm.com</p>	
Materials	
<ul style="list-style-type: none"> - Bee Science Club video: https://youtu.be/xZbLXP69dwo - Infrared Lighting and bees: https://newatlas.com/bees-pesticides-infrared-light/46480/ - Poisoned bees saved by infrared light: https://www.ibtimes.co.uk/bees-poisoned-by-pesticides-could-be-saved-by-bursts-infrared-light-1591719 - Light therapy: https://www.upi.com/Science_News/2016/11/15/Light-therapy-can-protect-bees-from-pesticide-poisoning/9591479240027/ - Video* comparing infrared light exposed bees: https://www.technology.org/2016/12/02/near-infrared-light-therapy-protect-bees-harmful-effects-pesticides/ 	
Goals	
<ul style="list-style-type: none"> - To find out and investigate what infrared lights do to honey bees 	
Video Objectives	
<ul style="list-style-type: none"> - To observe what the bees are doing - To discuss what infrared lights do to help and/or harm the honey bee - To discuss previous understanding about pesticides negative effects - To research information about the positive impacts infrared lights can have on honey bees 	
Student Activities for learning	
<p><i>Research:</i> What happens when honey bees are exposed to infrared lights. Record all your findings.</p> <p><i>Reflection:</i> During your research, think about the various lights and rays we are exposed to as humans (from the sun, x-ray machines, etc.) and think about the potential effect those have on us. Is vitamin D comparable to the infrared light and bees?</p> <p><i>Complete:</i> Briefly summarize as a Bee Scientist, what your conclusion is about the effects the infrared light can have on the honey bee. Share your findings.</p> <p><i>Extra:</i> What are things that make you feel better? Listening to music? Watching a show? Going on a walk? List your top 5 things you enjoy doing.</p>	