

Lesson and Activity Suggestions for Middle School **Beneficial Bugs**

Many people are afraid of the beautiful pollinator, the honey bee. The purpose of the honey bee is not to harm, but to help. They collect nectar and pollen from trees and plants. They then move the pollen from flower to flower. Ninety-five

different crops are pollinated by bees, which helps to create almost one-third of the world's food supply.

Honey bees use the nectar they gather from flowers to make honey. Honey is the only commercial food produced by insects that is eaten by humans on a world wide scale. Honey bees make beeswax, which is used to make candles, and cosmetics. People also use honey for medical purposes. It has been proven, if you eat honey that was harvested locally, it will help with seasonal allergies.



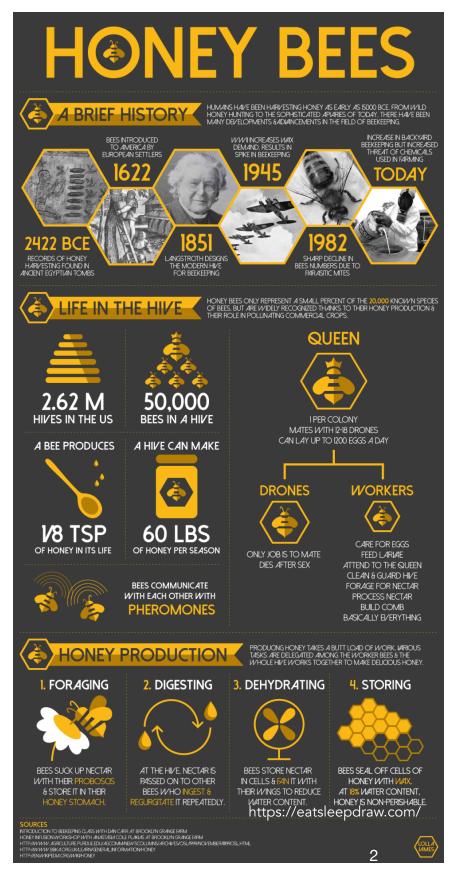


The earthworm is the unsung hero to farmers and gardeners around the world. They help make the soil awesome to grow healthy plants, which in turn provides food for us. As worms wiggle their way through the soil they increase the amount of water and air that gets into the soil. They break down organic matter, like leaves and grass into beneficial nutrients plants want and need. Earthworms leave behind castings when they eat, which is a very valuable type of fertilizer. They truly are a wiggly wonder!

Resources: https://www.agclassroom.org/teacher/matrix/lessonplan.cfm?lpid=84 https://web.extension.illinois.edu/worms/live/



Directions: Work on your reading comprehension by reading and interacting with your notes. You may use words or pictures in the space provided to the right of the reading to summarize what you read in each section.



TITLE
A BRIEF HISTORY
 LIFE IN THE HIVE
HONEY PRODUCTION



Earthworms love getting cards in mail like you do! Write a Thank You card to the worms in your Victory Garden. Thank them for at least <u>three</u> super cool things they do to help your garden grow. Include a picture for them to truly feel appreciated!

Dear Victory Garden Earthworms,		
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Additional Resource on Beneficial Bugs

https://ktwu.pbslearningmedia.org/resource/ vtl07.la.rv.text.colonycoll/colony-collapsedisorder-nature/



The Bounty of Bees

kqed07.sci.life.oate.producers.betterb/thebounty-of-bees/#.Xqw6GS-z00o

https://ktwu.pbslearningmedia.org/resource/

https://ktwu.pbslearningmedia.org/resource/ kqed07.sci.life.oate.ladybug/ladybug-pajamaparty/

