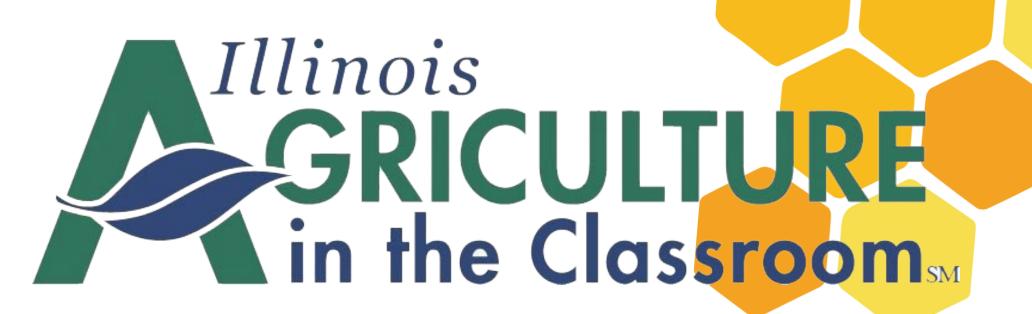
WE CAN'T HELP POLLEN IN LOVE HELPING STUDENTS CULTIVATE A PASSION FOR POLLINATORS



ABOUT ME

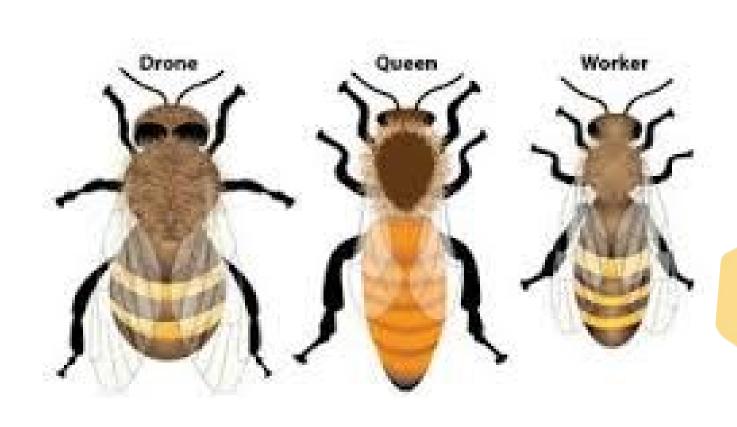


CHRIS WYANT
ILAG IN THE CLASSROOM-EDUCATION MANAGER
SPECIALTY CROP GROWER
AMATEUR BEEKEEPER



HONEYBEES





FUN FACTS:

- 1 IN 3 BITES OF FOOD ARE POLLINATED BY HONEYBEES
- QUEENS LAY UP TO 2,000 EGGS/DAY
- WINTER HIVES ARE 100%FEMALE
- BEES FLY APPR. 90,000 MILES TO MAKE 1 LB. OF HONEY
- BEES MUST CONSUME 17+ LBS. OF HONEY TO PRODUCE 1 LB. OF BEESWAX

HONEYBES





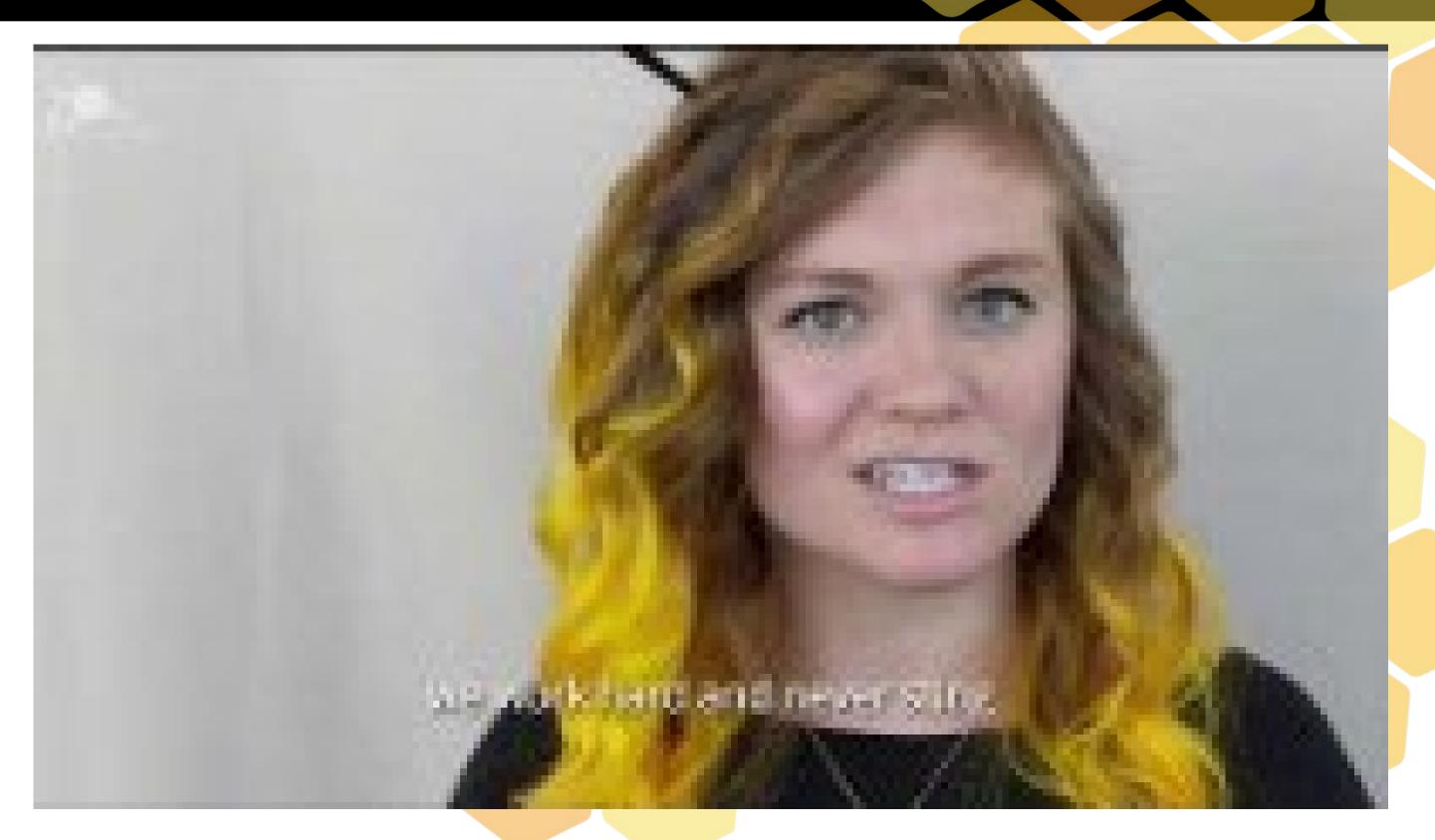


BEE SCHOOL VIDEOS









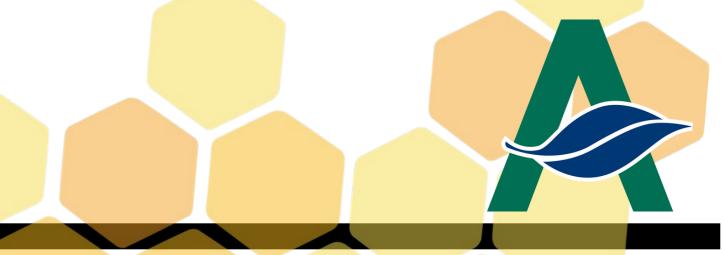


FUN FACTS:

- POLLINATE OVER \$3 BILLION IN CROPS/YEAR
- 4,000+ SPECIES IN NORTH AMERICA ALONE
- MOST LIVE SOLITARY LIVES
- MOST ARE UNLIKELY TO STING
- HELP MAKE HONEYBEES MORE EFFICIENT POLLINATORS
- ABOUT 70% NEST IN THE GROUND, WHILE OTHERS NEST IN TUNNELS IN WOOD
- IN MANY WAYS, THEY ARE MORE EFFECTIVE POLLINATORS THAN HONEYBEES

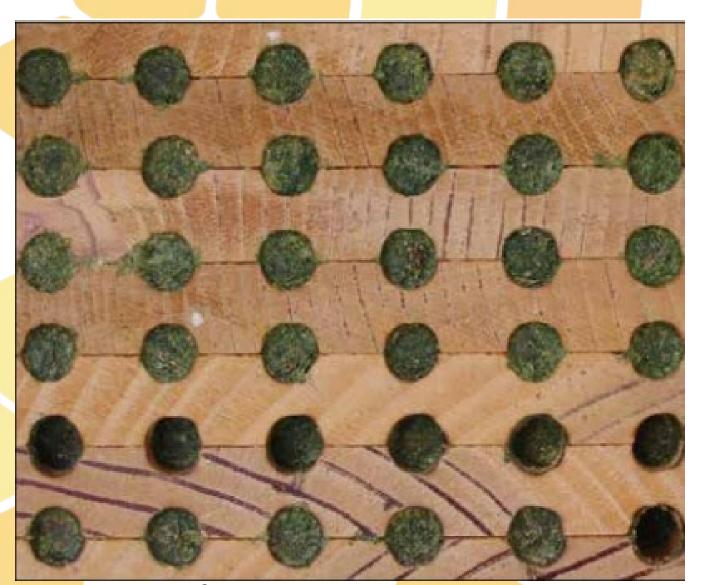


Image: USGS Bee Inventory



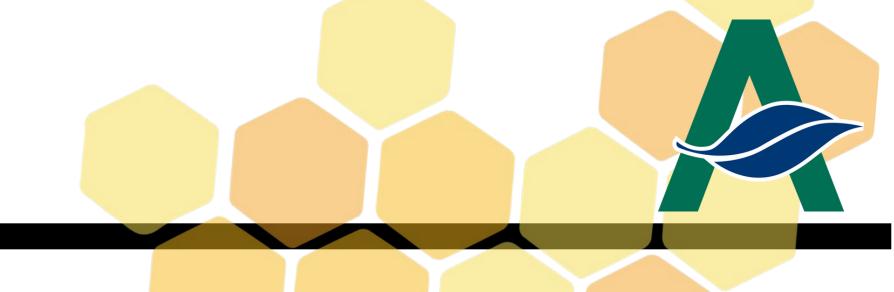


GROUND DWELLING BEE NESTS



CAPPED NESTS IN A BEE HOTEL

IMAGES: XERCES SOCIETY



CROSS-SECTION OF BAMBOO TUBE SHOWING BROOD CELLS



IMAGE: XERCES SOCIETY

BUTTERFLIES

FUN FACTS:

- NOTAS EFFECTIVE, BUTSTILLIMPORTANTPOLLINATORS
- NEED LANDING PLATFORMS ON BRIGHT FLOWERS WITH LOTS OF NECTAR
- MANYMILKWEED PLANTING PROJECTS ACROSS THE NATION FOR MONARCHS
- ONLYABOUT 4% OF WORLD'S BUTTERFLIES ARE FOUND IN U.S.



HABITAT EFFORTS AT SCHOOL

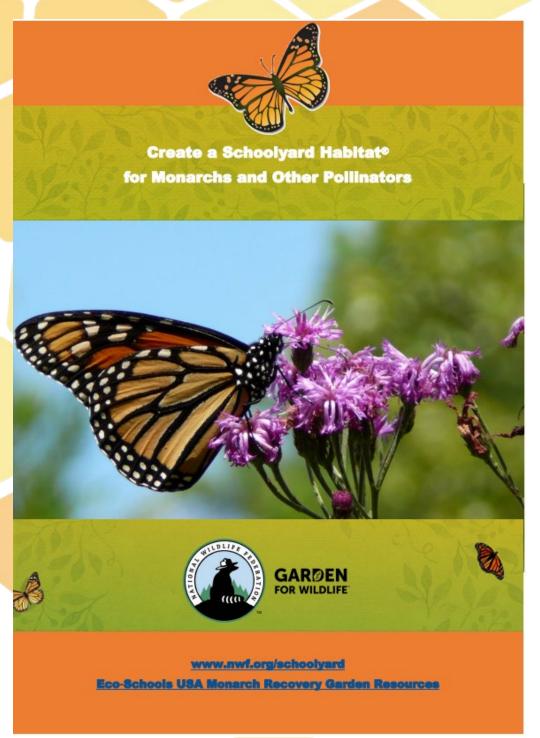


Monarch Waystation Program



Create, Conserve, & Protect Monarch Habitats monarchwatch.org





HABITAT EFFORTS AT SCHOOL





GUIDELINES:

- NEED TO CLEAN REGULARLY
- FACE ENTRANCES TO SOUTHEAST
- MOUNT SECURELY ABOUT 4' HIGH



HABITAT EFFORTS AT SCHOOL



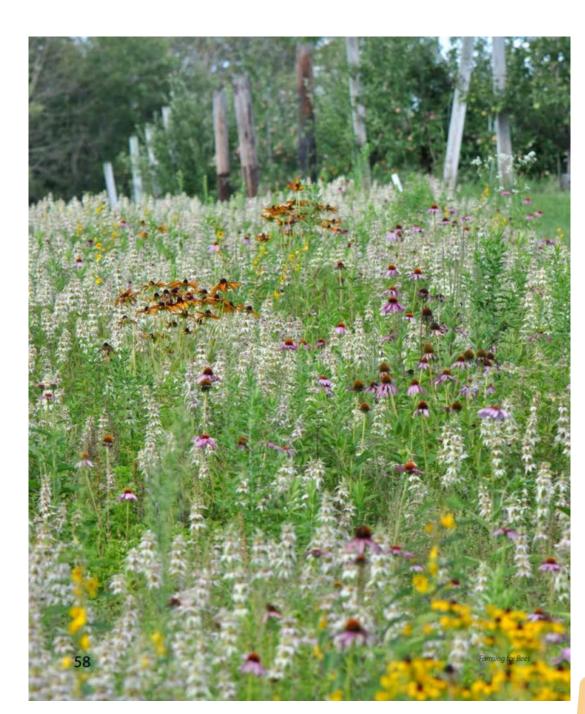
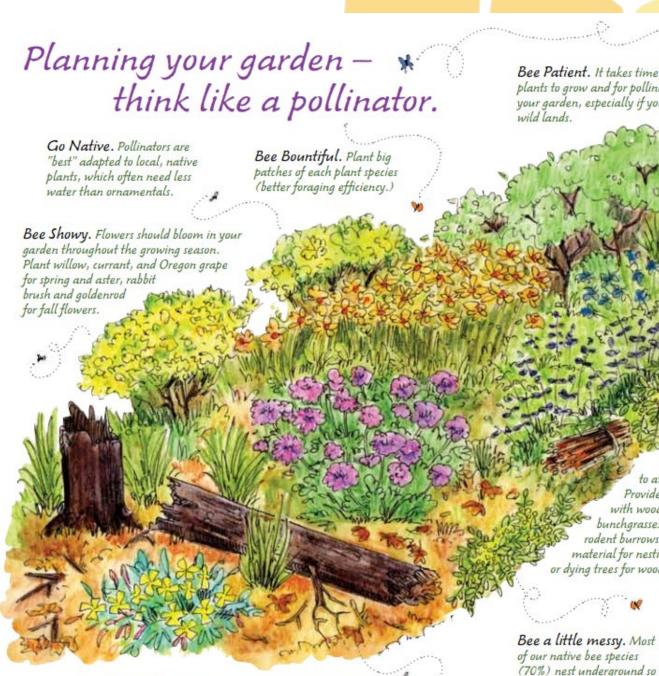


IMAGE: XERCES SOCIETY



Bee Diverse. Plant a diversity of flowering species with

butterfly and moth caterpillars.

abundant pollen and nectar and specific plants for feeding

Bee Gentle. Most bees will avoid stinging and use that behavior only in Bee Patient. It takes time for native self-defense. Male bees do not sting. plants to grow and for pollinators to find your garden, especially if you live far from Bee Chemical Free. Bee Sunny. Provide areas with Bee Homey. Make sunny, bare soil that's dry and well-drained, to attach chrysalis or cocoons. preferably with Provide hollow twigs, rotten logs south-facing slopes. with wood-boring beetle holes and bunchgrasses and leave stumps, old rodent burrows, and fallen plant material for nesting bees. Leave dead or dying trees for woodpeckers. Bee Friendly. Create pollinator friendly gardens both at home, at Bee Aware. Observe schools and in public pollinators when you walk parks. Help people

IMAGE: US FOREST SERVICE

learn more about

pollinators and

native plants.

outside in nature. Notice

which flowers attract

bumble bees or solitary

bees, and which attract

avoid using weed cloth or

heavy mulch.

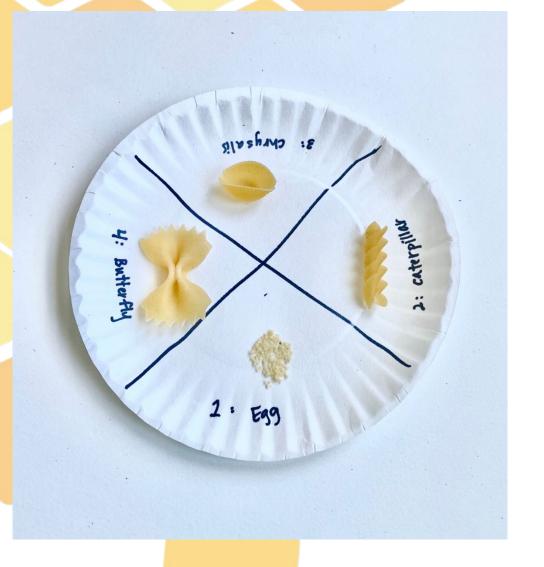
LESSONS AND ACTIVITES





THROW&GROW





BUTTERFLY LIFE CYCLE

LESSONS AND ACTIVITES





POWDER-POWERED POLLINATION



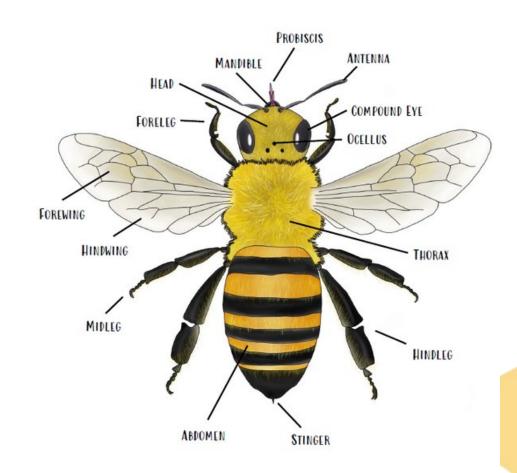
BAG BUTTERFLY



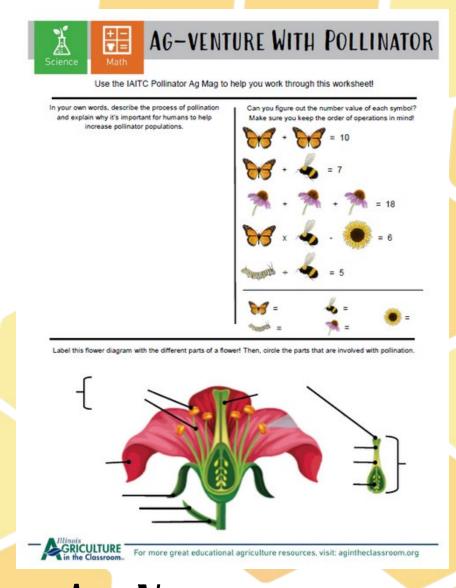
BUILD A BEE HOTEL

LESSONS AND ACTIVITES





THE BEES KNEES AND MORE



AG-VENTURE WITH POLLINATOR AG MAG

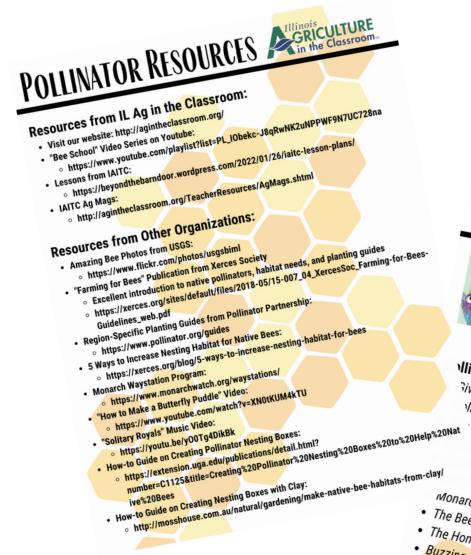
BOOK RECOMMENDATIONS





ADDITIONAL RESOURCES







Illinator Books Recommended by IAITC: Rive Bees a Chance, by Bethany Barton, 2017

Allen: Darwin's 130 Year Old Prediction, by Darcy Pattison, 2019 Buzzy Bee Book for Kids, by Alice McGinty, 2021

's are Calling, by Rita Gray, 2015

ies Belong Here, by Deborah Hopkinson, 2020 Monarch Butterfly, by Gail Gibbons, 1989 • The Beeman, by Laurie Crebs and Valeria Cis, 2009

- The Honeybee, by Kirstin Hall and Isabelle Arsenault, 2018 • Buzzing with Questions: The Inquisitive Mind of Charles Henry Turner, • Flight of the Honeybee, by Raymond Huber, 2015
- Bees and Wasps, by James Maclaine, 2013
- The Bee Book, by Charlotte Milner, 2018
- Bees: A Honeyed History, by Piotr Socha, 2017 Bee Dance, by Rick Chrustowski, 2015

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