Wisconsin Ag in the Classroom

Monthly Themes- Links and Lessons

May 2021– Bees, Turf and Horticulture

www.wisagclassroom.org

About this series:

The Monthly Theme Lesson Series from Wisconsin Ag in the Classroom is a compilation of resources found on Ag in the Classroom, commodity, and other educational websites, YouTube, and sources.

Each month we will feature an animal and crop and share lesson plans, career information, activities and videos about them.

Thank you to all our Ag in the Classroom partners, commodity groups, American Farm Bureau Foundation for Agriculture, and other sources who help to tell the agricultural story and provide educational resources for our students, teachers and volunteers!

This issue:

Bee Resources

Wisconsin Ag in the Classroom

Book- The Beeman- https://www.wisagclassroom.org/wp-content/uploads/2019/09/Beeman-Teachers-Guide.pdf

https://www.wisagclassroom.org/this-business-called-agriculture/

2021 Farm Facts- https://www.wisagclassroom.org/wisconsin-ag-facts/

YouTube Playlist- https://www.youtube.com/playlist?list=PLUvmuVa0n1QL55WOPKLDcAVaru_8PALN6

National Ag in the Classroom

Conserving Bumble Bees

This lesson introduces the importance of bumble bees and other pollinators. Using a case study approach, students will examine bumble bee population surveys and use the scientific method to discuss possible causes for the decline of pollinators. Students will then determine which land management conservation strategies in agricultural ecosystems are most successful in attracting and supporting bumble bee populations.

Fabulous Flowers

The students will examine the functions of flowers and determine that some flowers are edible.

Flower Power (Grades 3-5)

Students will observe physical characteristics of flowers and explore principles of pollination.

Flower Power (Grades 6-8)

Students will observe the anatomical structures of flowers and explain a flower's role in plant growth and reproduction as well as their connection to our food supply.

Good Taste: Honey Bee Forager Food Preference

In this lesson students learn about the foraging behavior of bees and hypothesize if the bee's behavior is related to its ability to detect sugar. Students will then determine which type of foraging bee would be best for pollination or honey production. Students will learn about the

process of gel electrophoresis as a genetic tool and analyze DNA to identify strains of bees who are better pollen-collecting bees or better nectar-collecting bees.

Honey Bees: A Pollination Simulation

Students will identify the parts of a honey bee, the stages of its life cycle, and its role in pollination.

Mind Your Own Beeswax

Through project-based learning, students will solve the problem of excess beeswax, a byproduct of honey bees, by developing a useful beeswax product and marketing their product to be sold in a local boutique or farmers market.

Preservation Power of Honey

Students will expand their knowledge of microbial growth and scientific food preservation methods to learn how honey can serve as an antibacterial agent. Students will learn how honey may be used as a preservative of milk in areas without access to electricity or refrigeration and how this preservation method relies on elements found specifically in honey that cannot be replicated with other sources of sugar.

The Amazing Honey Bee

Students will investigate the three types of honey bees in a colony, identify their roles, and recognize honey bees as part of a community that works together.

Beebuzz

This is a game in which students take turns rolling a die and drawing parts of a bee. Any number can play, and the only materials needed are a piece of paper, a pencil, a six-sided die, and the included printable activity sheet.

The Garden Show (Musical Play)

The Garden Show is a 25-minute musical play for grades 1-5 that ties well with science curriculum. Students learn about soil, plants, photosynthesis, pollination, and garden creatures from a wild bunch of characters, including dive-bombing bees, aliens from planet Chlorophyll, and a singing compost pile.

Book

A 'Bee-Friendly' Guide to Help Save the Honey Bees

This printable PDF includes a new Winnie-the-Pooh short story and ten simple activities to support honey bees. Fully illustrated, Winnie-the-Pooh and friends are featured on every page of this family-friendly guide to helping honey bees. Although written for a British audience, the story and activities are sure to captivate American audiences as well.

Achoo! Why Pollen Counts

A picture book teaching children about pollen, the pollination process, and bees. The story follows a baby bear who is allergic to pollen. He learns how pollen is used by other insects and animals such as spiders, butterflies, honey bees, hummingbirds, and more. This book can be added as an extension for lessons about flowers and pollination to help students see additional benefits and uses of pollen.

Apples for Everyone

This picture book comes from National Geographic's *Picture the Seasons* series. Beautiful photographs illustrate apple trees in bloom, bees visiting apple flowers, a variety of apples, and apple trees heavy with fruit in the fall.

Backyard Detective: Critters Up Close

Welcome to the fascinating world of your own backyard, where more than 125 bugs, worms, and small critters play out the drama of life in miniature. Seven life-size, backyard environments from the soil to the vegetable garden to the air above are vividly depicted in enticingly lush photographic scenes. Scenes are followed by informational spreads which identify all the animals pictured and relate intriguing facts about survival in each environment. The book includes natural science projects, essential safety information, and an inviting 'visual index' for easy reference.

Bea's Bees

Beatrix discovers a wild bumblebee nest on her way home from school and finds herself drawn to their busy world. When her bees mysteriously disappear, Bea hatches a plan to bring them back. Can Bea inspire her school and community to save the bees? Bees provide us with valuable resources, and some types of bees are in danger of disappearing forever. But ordinary people (and kids!) can help save them. Filled with fascinating facts about bumblebees and ideas to help preserve their environment, *Bea's Bees* encourages kids to help protect bees and other pollinators.

Beekeepers

This is a story of a young girl who helps her grandpa tend to his beehives so he can pass the legacy of being a beekeeper on to her. The book has soft oil paintings and simple illustrations which leave readers with a warm feeling of a shared experience between grandfather and granddaughter. However, it does not provide a great deal of information about bees.

Bees and Wasps

Bees and Wasps is a 32-page book filled with color photographs and illustrations. Learn about their lifecycle and the varieties of bees and wasps that pollinate flowers and make honey. You will also learn about the organization of beehives, the roles of each bee, and how they all work together to make honey and pollinate flowers.

Flight of the Honey Bee

This colorfully illustrated book follows a honey bee as she leaves the hive to search for pollen and nectar. The bee uses her senses of sight and smell to find flowers and to remember the way back. She pollinates flowers while collecting pollen and nectar to bring back to the hive. Interesting facts about bees are given alongside the story of the honey bee called Scout.

Honeybee

Beginning at birth, the honeybee emerges through the wax cap of her cell and is driven to protect and take care of her hive. She cleans the nursery and feeds the larvae and the queen. But is she strong enough to fly? Not yet! She builds wax combs to store honey, and transfers pollen from other bees into the storage. She defends the hive from invaders. Apis accomplishes all of this before beginning her life outdoors as an adventurer, seeking nectar to bring back to her hive.

How Do Apples Grow?

This book is a part of the Let's-Read-and-Find-Out Science series, and it clearly illustrates how fruit comes from flowers. Colorful illustrations show the male and female parts of the apple flowers up close, and the role that bees play in pollinating apple flowers is explained in simple language. The book follows apple trees through all four seasons, from the closed buds of winter to the ripe apples of fall.

How to Grow an Apple Pie

It's easy to make an apple pie, but what does it take to make the apples? Sophie is about to find out! First, the apple trees need to be about six years old—just like Sophie. Next, they need to be pruned, and the bees have to pollinate their blossoms! After that, the tiny apples grow through the summer until they're ready to pick in the fall. Finally, it's time for Sophie to make the perfect pie!

In the Trees, Honey Bees

Peek inside this tree and see a wild colony of honey bees. It hums with life. Look at the thousands of worker bees--each one doing her job. Some are making wax. Some are feeding the hungry brood. Some are storing sweet honey. Look at all the combs, filled with honey and pollen! And there's the queen, laying eggs. It's all very organized, like a smoothly running town. A honey bee colony is a remarkable place. You will never look at bees in the same way again.

Jo MacDonald Had a Garden

Old MacDonald had a...*garden*? Yes! Sing along with young Jo MacDonald as she grows healthy food for people and wild creatures. E-I-E-I-O! Find out how butterflies, bumblebees, and birds help a garden to thrive – and how you can help them too. And keep an eye on one mysterious plant. What will it become? Youngsters learn about garden ecosystems and stewardship through this playful adaptation of *Old MacDonald Had a Farm*.

Pumpkin Circle: The Story of a Garden

Pumpkin Circle provides a bug's eye view and a bird's high view of seeds sprouting, flowers blooming, bees buzzing, pumpkins growing and, finally, going back to earth. Told in verse and through dramatic photography as an orange gloved-gardener plants, tends, and harvests a backyard pumpkin patch.

The Bee Book

A wonderful introduction to the humble honeybee: nature's hardest worker, and much more than just a provider of honey! Bees are incredibly industrious, brilliant at building, super social, and—most importantly—responsible for a third of every mouthful of food you eat! Find out how bees talk to one another, what it takes to become a queen bee, and what the life of a worker bee is like. The contents include bee anatomy, types of bees, hives, colonies, pollination, making honey, and more.

The Bee Tree

When Mary Ellen gets bored with her reading, Grandpa knows a hunt for a bee tree is just what she needs. Half the town joins in chasing a bee to find the hive from which they will collect honey. The story is fun to read aloud and will easily hold the attention of students.

The Beeman

Told from the viewpoint of a child whose Grandpa is a beekeeper, this rhyming text offers an accessible and engaging introduction to the behavior of bees. You will learn where bees live, how honey is made, what a beekeeper does, and more.

The Honeybee Man

This is the story of Fred, who raises honeybees on his roof in Brooklyn, New York. Fred watches his bees closely, sharing his observations of how they tend the hive, feed babies, and make wax rooms. He even imagines flying with the bees to find flowers. The engagingly illustrated story is full of facts about bees.

The Honeybee and the Robber

This moving/picture book follows an adventurous honeybee as she goes about her busy day, sipping nectar from flowers, avoiding hungry birds, and playing with butterflies. But when a robber bear comes looking for honey, all the bees must rush out to defend their home.

The Life and Times of the Honeybee

Information about honeybees has never been more interesting. The text and illustrations perfectly complement one another in a concise presentation of facts about the insects both within and outside the hive. Their physical characteristics, division of labor, and role in pollination are fully described. Additional fascinating facts about a bee's year-round activities, the job of the beekeeper, the many products that contain beeswax, and ways honey has been

used throughout history are included. Even the "tail-wagging dance" that directs bees to flower locations is simple to follow. There is no index, but a table of contents leads to specific topics. A book that is right on target for young readers.

The Thing About Bees: A Love Letter

A love poem from a father to his two sons, and a tribute to the bees that pollinate the foods we love to eat. "Sometimes bees can be a bit rude. They fly in your face and prance on your food." And yet...without bees, we might not have strawberries for shortcakes or avocados for tacos! Children are introduced to different kinds of bees, "how not to get stung," and how the things we fear are often things we don't fully understand.

UnBEElievables

This book pairs facts about honey bees with fun, engaging poems and colorful illustrations. Through 14 clever poems the book explores topics ranging from bee anatomy to the role of the queen bee to making honey.

What's in the Garden?

Good food doesn't begin on a store shelf with a box. It comes from a garden bursting with life, color, smells, sunshine, moisture, birds, and bees! Healthy food becomes much more interesting when children know where it comes from. So what's in a garden? Children will find a variety of fruits and vegetables and a tasty, kid-friendly recipe for each one to start a lifetime of good eating. A "Food for Thought" section explains facts about each fruit and vegetable, and a "How Does Your Garden Grow?" section explains facts about gardening and the parts of plants.

When the Bees Fly Home

Young Jonathan, the son of a beekeeper, isn't sturdy enough to help his dad with some of the farmwork, but when his mom stays up late one night to make beeswax candles, he puts his own skills to work modeling small wax animals and insects to decorate the candles - which sell out quickly at the farmer's market. Bee facts buzz through this very human story about a child trying to please his father.

Kit

Beeswax Lip Balm Kit

Beeswax is a valuable by-product of honey harvesting. Beeswax is used in the production of candles, cosmetics, artists' materials, electronics, lubricants, polishes, inks, and paints. This kit includes common ingredients used to make beeswax lip balm. Kit contains enough supplies for 36 tubes of lip balm. Order this kit online from agclassroomstore.com.

Beeswax Modeling Clay Kit

Stimulate your students' creativity with beeswax modeling clay. This kit contains the recipe and enough beeswax, coconut oil, and lanolin to make 36 portions of all-natural modeling clay that softens with the warmth of your hands. Beeswax clay can be reused again and again. Containers are included for storage. Order this kit online from agclassroomstore.com.

Pollination Simulation Kit

Simulate the role worker bees play in pollination by conducting a pollination simulation. Each kit includes pompoms, cups, jewel bags, yarn, and straws for 35 elementary students. Order this kit online from agclassroomstore.com.

Anatomy of a Worker Bee

Honey bees are extremely important to humans. Bees pollinate 95 different crops, helping to create nearly one-third of the world's food supply. Use this 38" x 25" laminated poster to identify each bee body part. Available for purchase from Utah Agriculture in the Classroom. Order this poster online from agclassroomstore.com.

Honey Bee Study Prints

Twelve 13" x 18" color enlargements from Dadant & Sons depict various behavioral characteristics of honey bees and scenes of beekeeping. Instructional material printed on the back of each color photograph tells what can be observed and learned from the picture, asks questions, gives additional information on the subject, and suggests other sources of information.

Movie/Video

Amazing Time-Lapse: Bees Hatch Before Your Eyes

This one-minute time-lapse video captures the fascinating transformation of larvae into bees. Witness this mesmerizing life cycle with close-up footage from photographer Anand Varma.

An Almond Story

This video along with its companion activity book tells the California Almond story from the perspective of a bee left behind in the orchard after the pollination season is over. Auntie Bee's story is spellbinding as she expounds on the almond's history, its unique food properties and many uses, as well as its incredible nutritional value. "An Almond Story" is a captivating classroom learning experience that's as much fun as it is educational. The video and the activity book are meant to be used together by grade school teachers.

Apples

This 30-minute video begins with the legend of Johnny Appleseed and then goes on to explore apples in pioneer times with the story of the McIntosh apple. An orchard is visited over the seasons from winter pruning, spring blossoms with bees and pollination, spring planting, summer thinning to fall harvesting. Viewers even get to see apple cells through an electron microscope and learn how to clone an apple tree.

City of Bees: A Children's Guide to Bees DVD

A kid-friendly look at the amazing world of the honey bee. The video is narrated by a beekeeper and several young children as they learn about the life and importance of a bee.

How It's Made: Honey

This five-minute video travels from field to hive to factory, illustrating all the steps involved in making honey. Get a close-up look at a beekeeper opening a hive and a queen bee in the midst of her hive, and watch frames of honeycomb go through a factory to yield a number of products.

NMSU Field Trip: Honey

It's common knowledge that honey comes from bees. But many people don't know how bees make it and why. Honey making is a collective effort between nature and man. It's a process that's involves bee colonies, native plant life, agricultural crops, and of course beekeepers. This *Field Trip!* explores historical uses of honey, the basics of honey bee behavior, the process through which honey is made, factors that affect honey flavor, the process of removing honey from the hive, and more.

TedTalk- The First 21 Days of a Bees Life

Photographer Anand Varma raised bees in his backyard and in front of a camera to get an up close view. This National Geographic project gives a lyrical glimpse into a beehive and reveals one of the biggest threats to its health, a mite that preys on baby bees in their first 21 days of life. The footage is set to music from Rob Moose and the Magik*Magik Orchestra. (This talk was part of a session at TED2015).

That's So Sweet! – A Look at Honey Production in the Twin Cities

Follow along on the fascinating journey of honey from the hive to your home. Kristy Lynn Allen, head beekeeper at the Beez Kneez introduces the process of honey collection, extraction, and delivery. Learn the important role honey bees play in honey production and the pollination of some of our favorite fruits and vegetables!

The Honey Files

This 16-minute video by The National Honey Board explores all aspects of honey production and includes fun facts like how much honey a single worker bee will make in her entire life (1/12 tsp). This video is available on DVD or YouTube. Order this DVD online from agclassroomstore.com.

Wings of Life

One-third of the world’s food supply depends on pollinators. This full-length movie uses stunning imagery to explore the interactions of butterflies, hummingbirds, bees, and bats with flowers. Use this DVD as a companion resource to any lesson on pollinators.

Before the Plate Website

The *Before the Plate* website contains information about the *Before the Plate* documentary and videos and explanations for each step of the farm-to-fork process for beef, potatoes, honey, milk, and sunflowers.

Utah State University Bee Lab

The website for the USDA Bee Biology and Systematics Laboratory at Utah State University provides a glimpse into the world of bee research. This is a great resource to build background knowledge prior to teaching about bees. In addition to many technical articles, the site provides links to popular magazine and USDA Agricultural Research Service news articles on bees. Dig deeper to find pages on how to identify bumble bees of northern Utah and a guide to raising bumble bees at home.

Note:
If you search "Honey"- you will find some different resources than the "bee" search found!
https://www.agclassroom.org/matrix/search_result/?search_term=honey&findlesson=on&findresource=on&maxlessons=25&maxresources=25

American Farm Bureau Foundation for Agriculture

- The Art and Science of Beekeeping
  Sep 21, 2017 … Aristotle, an ancient philosopher, also wrote a great deal about the life and activities of **bees** in his book Historia Animalium. Other Greeks …
  (https://www.agfoundation.org/news/the-art-science-of-beekeeping)
- Bee Ag Mag by American Farm Bureau Foundation for Agriculture ...
  This standards aligned easy-to-read nonfiction text is great for introducing grades 3-5 to **bee** and pollinators. Includes career corner, all about pollinators section, …
  (https://www.agfoundation.org/recommended-pubs/bee-ag-mag)
- The Thing About Bees by Shabazz Larkin - Recommended by ...
  A great way to introduce students to pollination and the need for **bees** while addressing any fears young children may have about getting stung.
  (https://www.agundation.org/recommended-pubs/the-thing-about-bees)
- Bees by Ann Heinrichs - Recommended by American Farm Bureau ...
  This book nicely summarizes details of **bees**. It describes the kinds of **bees**, **bee** structure, how honey **bees** function and live in both a natural environment and a …
  (https://www.agfoundation.org/recommended-pubs/bees)

A Beekeeper's Story: An Interview With Cameron Robertson

Sep 29, 2017 … Want to introduce **bees** into your classroom? Check out some of our **bee**-related Recommended Publications under the topic "Entomology & Food …
(https://www.agfoundation.org/news/a-beekeepers-story-an-interview-with-cameron-robertson)

- ## How Bees Make Honey by Louise Spilsbury - Recommended by ...

  Did you know that **bees** make honey that they can eat, and we can eat it too? How do **bees** make honey? Explores this topic with colorful pictures and easy to …
  (https://www.agfoundation.org/recommended-pubs/how-bees-make-honey)

- ## At Home Learning Nov. 9

  Nov 5, 2020 … This week let's look into a popular pollinator: **bees**. number 1. Play the My American Farm game “The Buzz”. In this K-1 science and geography …
  (https://www.agfoundation.org/news/at-home-learning-nov.-9)

- ## What if There Were No Bees? by Suzanne Slade - Recommended ...

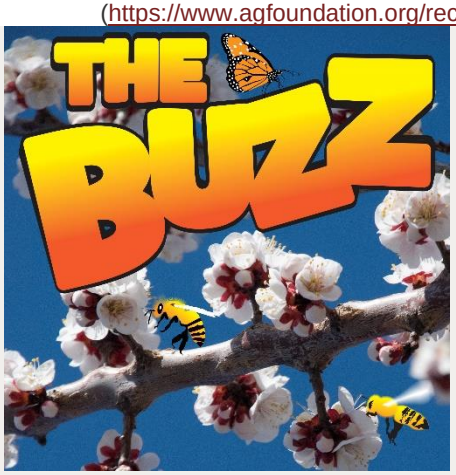
  … and plants live in them. So what difference could the loss of one animal species make? Follow the chain reaction, and discover how important honey **bees** are.
  (https://www.agfoundation.org/recommended-pubs/what-if-there-were-no-bees)

- ## The Beeman

  Readers explore how beekeepers care for their **bees**, different kinds of **bees** (drone, queen, worker), how **bees** help us pollinate, and how **bees** make honey for …
  (https://www.agfoundation.org/ag-lit-catalog/view/the-beeman)

- ## Life Cycle of a Bee by Colleen Sexton - Recommended by American ...

  Bees begin their life cycle as eggs in honeycomb cells. Every day, a queen **bee** can lay as many as 2000 eggs. Young readers will study a **bees** growth from egg …
  (https://www.agfoundation.org/recommended-pubs/life-cycle-of-a-bee)



This My American Farm Game teaches K-2 about pollinators!

Make a butterfly book - Learn how butterflies are also pollinators!
Sweet Pollination - Learn each step of the pollination process!
Read a fun EComic - Annie Appleseed and Benjamin Farmington in: The Pollinator Garden

Wisconsin Honey Producers
https://www.wihoney.org/resources/new-beekeepers/

National Honey Board
https://honey.com/

DATCP Home > Helpful Apiary Links

Helpful Apiary Links-

https://datcp.wi.gov/Pages/Programs_Services/ApiaryLinks.aspx

Swarm Removal Services
Wisconsin Honey Producers Association Member Services
Bee Removal Source - Wisconsin
Bothered by Bees or Wasps? - UM Bee Lab reference

Honey Bee Health Coalition
Almost 40 organizations and agencies from across food, agriculture, government, and conservation formed this Coalition with the goal of reversing recent declines in honey bee health and ensuring the long-term health of honey bees and other pollinators. Excellent resources on Varroa mite management and general beekeeping Best Management Practices.

Bee Informed Partnership
An extension project trying to decrease winter mortality of managed honey bee colonies by using beekeepers' real world experiences

BeeCheck (DriftWatch)
A voluntary communication tool that enables beekeepers and pesticide applicators to work together to protect apiaries through use of the BeeCheck mapping program. It is not a substitute for any state regulatory requirements.

Honey Bee Veterinary Consortium
Starting in January 2017, if a beekeeper needs to give their honey bees antibiotics then they will need to have a prescription or feed directive from a veterinarian. Find a Veterinarian here.

Wisconsin Honey Producers Association
Organized in 1864 by Wisconsin beekeepers. The association links commercial and hobby honey producers as well as promoting the use of honey and hive products and supporting scientific research related to beekeeping and honey production.

National Honey Board
The Board conducts research, advertising and promotions to help maintain and expand domestic and foreign markets for honey.

Cooperative Pest Survey Bulletin
The Department of Agriculture, Trade and Consumer Protection provides current information about plant pests and diseases, plus other insect-related information.

American Honey Producers Association
Dedicated to promoting the common interests and general welfare of the American honey producer. Newsletter, convention, producer information.

American Beekeeping Federation
A national association that acts on behalf of the beekeeping industry. Newsletter, convention, American Honey Queen program.

Apiary Inspection Services of North America
A non-profit organization established to promote better beekeeping conditions in North America.

Mid-Atlantic Apiculture Research and Extension Consortium (MAAREC)
MAAREC is a regional group focused on addressing the pest management crisis facing the beekeeping industry in the Mid-Atlantic Region but their research and information may be beneficial to all beekeepers.

University of Minnesota Bee Lab
Provides beekeeping courses, a how-to video series, research database, and more.

The Xerces Society
International, nonprofit organization that protects wildlife through the conservation of invertebrates and their habitat.

Pollinator Partnership
The largest non-profit organization in the world dedicated exclusively to the protection and promotion of pollinators and their ecosystems.

Turf

Wisconsin Ag in the Classroom Videos-

https://www.youtube.com/playlist?list=PLUvmuVa0n1QL4UNUPq7y1baTF7OggtmrC

National Ag in the Classroom

NMSU Field Trip! Video Series

Field Trip! is a series of video field trips you can take right in your classroom. Video field trips include: Beef, Cheese, Cotton, Honey, Milk, Onion, Peanuts, Pecans, Pistachios, Red Chile Spice, Salsa, Turf, and Wine!

Sprout 2 - Careers

Do you have students that believe Agriculture only provides careers for farmers? This activity booklet defines agriculture and examines careers within the industry that include agricultural engineers, dairy farmers, turf scientist, veterinarians, and many more that are important but rarely discussed. The booklet also includes questions and activities for student engagement that builds vocabulary and knowledge

Golf Course Superintendents Association of America

First Green- https://www.thefirstgreen.org/

Best management practices- https://www.gcsaa.org/environment/best-management-practices

UW Madison videos

Get to know the Golf Industry (with Josh LePine):
https://mediaspace.wisc.edu/media/Horticulture+261A+Get+to+Know+the+Golf+Industry/0_qxi377m8

Get to know the Sports Turf Industry (with Michael Boettcher):
https://mediaspace.wisc.edu/media/Horticulture+261A+Get+to+Know+the+Sports+Turf+Industry/0_yowcw24o

Get to know the Lawn Care Industry (with Jake Schneider):
https://mediaspace.wisc.edu/media/Horticulture+261A+Get+to+Know+the+Lawn+Care+Industry/0_rrvdmw67

Get to know Sod Industry (with Paul Huggett):
https://mediaspace.wisc.edu/media/Get+to+Know+the+Sod+Industry/0_ztk3xb5v

Synthetic turf inside Camp Randall as well:
https://mediaspace.wisc.edu/media/Horticulture+261A+Get+to+Know+the+Synthetic+Turf+Industry/0_czircg0o

Wisconsin Turfgrass Association

https://wisconsinturfgrassassociation.org/

O.J. Noer Turfgrass Research and Education Facility

https://ojnoer.ars.wisc.edu/

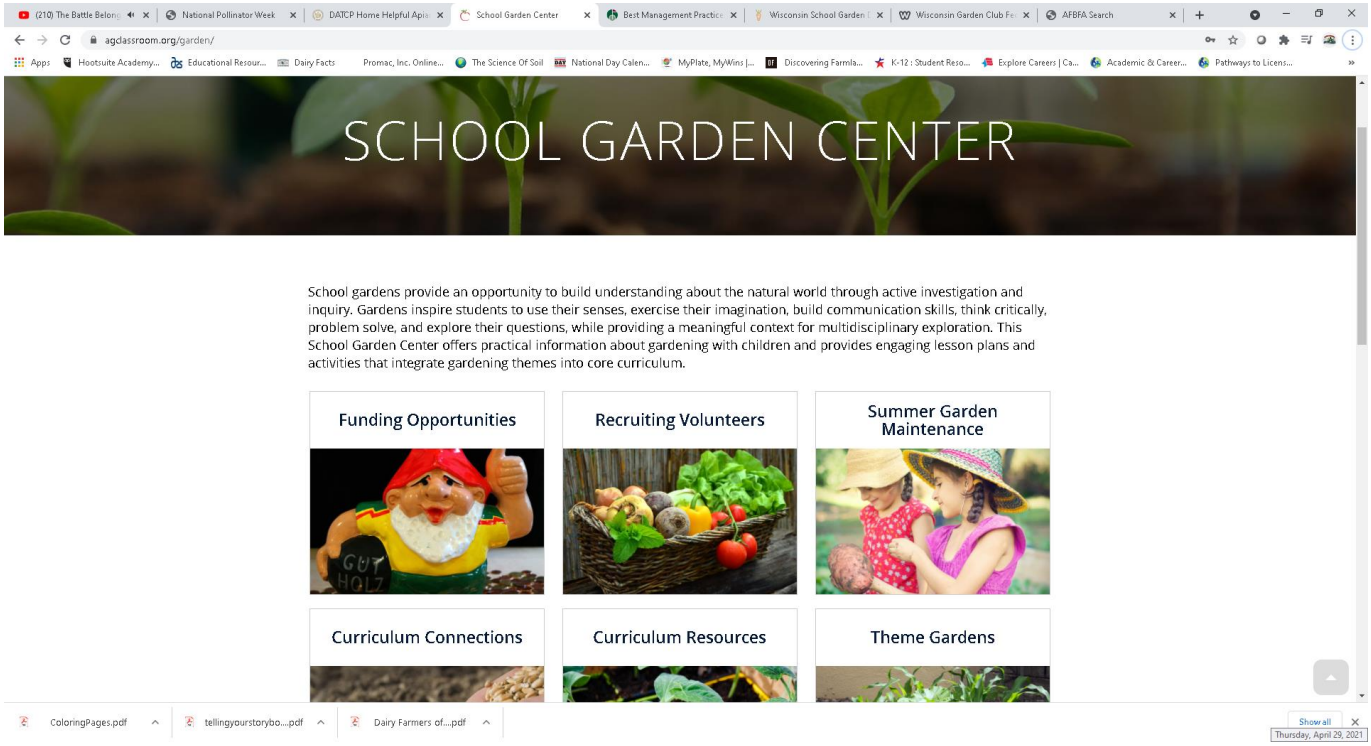
UW Madison Turfgrass Program

https://turf.wisc.edu/

Horticulture Resources

National Ag in the Classroom

School Garden Center- https://www.agclassroom.org/garden/



[Sadie's Seed Adventures: Learning About Seeds]

Sadie and Gardener Marv set out to clear weeds from a garden plot. While working, they go on a magical adventure to learn all about seeds. From hitching a ride with a cocklebur to flying through the sky with a milkweed seed, join Sadie as she figures out how seeds disperse.

The Sweetpotato Ag Mag is an agricultural magazine written for elementary and middle school students. In this issue, students will learn that North Carolina is the #1 producer of sweetpotatoes in the United States and how the root vegetable was introduced to the nation. They will also explore the life cycle of the sweetpotato plant, its health benefits to humans, the STEM-focused processes for growing, harvesting, and curing sweetpotatoes, visit a fourth-generation sweetpotato farm, and investigate three careers that involve sweetpotato production. The publication is available for students and teachers to view

online, either at a personal computer or as a class on a projection system or can be ordered as a classroom set.

Students interested in a plant science career can use this website to find information on specialized career paths in the fields of agriculture, horticulture and forestry. Discover the demand for nursery and greenhouse workers, horticulturists, florists, flower specialists, and more.

Crop Science Career Profiles

The Crop Science Society of America promotes and encourages career opportunities in the agronomic, crop, soil and environmental sciences. The Career Placement webpage contains career profiles, salary survey reports, and career brochures for teachers and students who are interested in learning more about available jobs in these areas.

Careers for Green Thumbs

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Wisconsin School Garden Day 2021-

https://wischoolgardens.org/wisconsin-school-garden-day-2021/

Thursday, May 20, 2021 is Wisconsin School Garden Day!

Wisconsin is a leader in garden-based education. This day brings recognition to the people and programs giving Wisconsin's youth access to innovative, hands-on educational opportunities.

Now, more than ever, youth garden educators are displaying resilience, innovation, and creativity as schools and programs are finding ways to continue making gardens an essential part of children's education.

You can participate in Wisconsin School Garden Day by engaging in some type of garden-based education activity or celebration on May 20, 2021 (or another day that week).

This year, you may be celebrating virtually or in person. We encourage everyone to celebrate Wisconsin School Garden Day in a way that is safe and best fits them and/or their programs. Any activity that involves kids engaging with a garden or gardening–including, but not limited to, activities around planting, observing, art, literature, STEM, weeding, and planning–can be a way to celebrate Wisconsin School Garden Day.

American Horticultural Society

- **https://ahsgardening.org/**

- **Educator Resources- https://ahsgardening.org/gardening-resources/gardening-with-kids/**

Wisconsin Extension- Horticulture - https://hort.extension.wisc.edu/

Wisconsin Hardy Plant Society-

https://www.wisconsinhardyplantsociety.org/resources.html

Master Gardener Program- Wisconsin

https://mastergardener.extension.wisc.edu/

Wisconsin Garden Club- *https://www.wisconsingardenclub.org/*

KidsGardening- https://kidsgardening.org/