



FREE learning resources for life science & nature learning!

The Morton Arboretum provides free resources for teachers to borrow and implement in their classroom instruction. Each Discovery Bin contains materials, tools, and lessons to bring NGSS alive in their classroom. They are organized by grade level and are aligned with our current field trip offerings, but you don't need to come on a field trip to utilize this resource. Reserve a bin today--for up to two weeks!--to extend your students' learning by filling out a [registration form](#). Use the QR code or the link below now!



<http://bit.ly/40cVVvE>

	Grade Level Alignment									
	PreK&K	1	2	3	4	5	6	7	8	9-12
Tree-rific Trees Bin (NGSS: K.LS1.1, 1.LS1.1, 1.LS3.1, 2.LS2.2, 2.LS4.1)										
Nature Literacy Bin (NGSS: K.LS1.1, K.ESS2.1, K.ESS2.2, K.ESS3.1, K.ESS3.2, 2.LS1.1, 2.LS4.1, 2.PS1.1)										
Plant Adaptations Bin (NGSS: 2.LS2.2, 2.LS4.1, 3.LS3.1, 3.LS3.2, 3.LS4.2, 3.LS4.4, 4.LS1.1)										
Animal Discovery Bin (NGSS: 2.LS2.2, 2.LS4.1, 3.LS4.3, 4.LS1.1)										
Itty Bitty Science Bin (NGSS: Varies on how you use the equipment)										
Be a Field Ecologist Bin (NGSS: Varies on how you use the equipment)										
Adaptive Aves Bin (NGSS: 5.LS2.1, 5.PS3.1, MS.LS1.4, MS.LS2.1, MS.LS2.2)										
Tree Health Toolkit (NGSS: MS.LS2.4, HS.LS2.7)										
Vegetation Buffer Toolkit (NGSS: 3.LS4.4, 5.ESS2.1, 5.ESS3.1, MS.LS2.4, MS.LS2.5, MS.ESS3.3, HS.LS2.5, HS.LS2.7, HE.ESS3.4, HS.ESS3.6, HS.ETS1.2)										
Aquatic Invasives of the Chicago Region (NGSS: HS.LS1.2, HS.LS4.3, HS.LS4.5)										
Tree ID & Census Bin (NGSS: MS.LS2.4, HS.LS2.7)										



Tree-rific Trees Bin

NGSS: K.LS1.1, 1.LS1.1, 1.LS3.1, 2.LS2.2, 2.LS4.1

This bin includes activities focused on seed growth and dispersal, tree life cycles, and habitat characteristics.



Nature Literacy Bin

NGSS: K.LS1.1, K.ESS2.1, K.ESS3.1, K.ESS3.2, 2.LS4.1, 2.PS1.1

This bin includes activities that use nature as a resource to learn literacy including story stones, tree cookie letters, sand trays, and more.



Plant Adaptations Bin

NGSS: 2.LS2.2, 2.LS4.1, 3.LS3.1, 3.LS4.2, 3.LS4.4, 4.LS1.1

Learn about the structural adaptations of plants and how their differences allow them to survive.



Animal Discovery Bin

NGSS: 2.LS2.2, 2.LS4.1, 3.LS4.3, 4.LS1.1

Examine this hands-on collection of pelts, skull replicas, and x-ray images to focus on animal structures, habitats, and adaptations.



Itty Bitty Science Bin

NGSS: Varies by equipment used

This bin contains 10 microscopes and pre-made slides. Design your own experiments and have students collect their own samples to examine under the microscope.



Be a Field Ecologist Bin

NGSS: Varies by equipment used

This bin includes soil probes, wind meters, light meters, and thermometers to help your students become field scientists.



Adaptive Aves Bin

NGSS: 5.LS2.1, 5.PS3.1, MS.LS1.4, MS.LS2.1, MS.LS2.2

Teach students about animal structures and adaptations using a variety of materials and activities.



Tree Health Toolkit

NGSS: MS.LS2.4, HS.LS2.7

This backpack contains materials, tools, and activities for you to do with your students to identify and monitor trees in your neighborhood.



Vegetation Buffer Toolkit

NGSS: 3.LS4.4, 5.ESS2.1, 5.ESS3.1, MS.LS2.4, MS.LS2.5, MS.ESS3.3, HS.LS2.5, HS.LS2.7, HE.ESS3.4, HS.ESS3.6, HS.ETS1.2

Use provided tools, materials, and lessons to assess the air quality of your school and plan a vegetation buffer to improve it.



Aquatic Invasive of the Chicago Region

NGSS: HS.LS1.2, HS.LS4.3, HS.LS4.5

This box includes aquatic plant specimens of invasive plants and their look-alikes, and teaches how they impact ecosystems.



Tree ID & Census Bin

NGSS: MS.LS2.4, HS.LS2.7

Use real data to engage your students in the Urban Tree Census. This bin contains tree identification resources, measuring tapes, and lessons.



- Limit: 1 bin per lender per lending period
- Bins can be reserved for up to 2 weeks at a time
- Reservations must be submitted at least 5 days in advance of anticipated pick-up time, but can be reserved months in advance!
- Bins are available Monday-Friday 7AM-5PM, with limited weekend availability
- Contactless pick-up and drop-off

QUESTIONS?

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