Science on the Go is a professional development program designed for K–8 educators who strive to build inspired science learning communities using effective instructional practices, through the use of NGSS–aligned, hands-on, inquiry-based lessons that incorporate collaborative problem solving. For more than 30 years, our experienced education staff has been working side-by-side with teachers to leverage locally relevant science experiences in classrooms throughout Chicago.

**with science on the go, you’ll invest in:**

- One Professional Development afterschool workshop to prepare for classroom implementation; **EARN** Up to six and a half professional development clock hours.
- Nine lessons that explore local science content through NGSS–aligned curricula with all materials and documents provided **INCLUDING** Three lessons—taught by a museum educator—that model best practices in science education and utilize unique museum resources from our living and preserved collections.
- Focused Field Trip to connect classroom inquiry to community experiences **INCLUDING** A bus reimbursement to the Nature Museum.

naturemuseum.org/sog
ONLINE REGISTRATION
Register at naturemuseum.org/sog.

PRE-PROGRAM CONTACT AND PLANNING
Communicate with your visiting Museum educator, finalize your visit schedule, and share insights about your students.

PROFESSIONAL DEVELOPMENT WORKSHOP
Participate in an afterschool workshop at the Nature Museum to go through each lesson of the curriculum as a learner, and prepare to teach in the classroom. Receive your curriculum documents and all materials prepared for a class of 32 students.

NINE NGSS–ALIGNED LESSONS
Classroom teachers teach six NGSS–aligned lessons. Students learn about local science content through inquiry-based lessons and cooperative learning.

THREE MUSEUM EDUCATOR VISITS
Three of the nine lessons (the first, fourth, and seventh), taught by a visiting Museum educator, model best practices in science education, and use unique museum resources from our living and preserved collections.

FOCUSED FIELD TRIP
Receive a bus reimbursement to visit the Nature Museum and make connections between learning in and out of the classroom.

REFLECTION MEETING
Reflect on Science on the Go and determine next steps for your science teaching practice.

“This program has modeled for me what high-quality instruction looks like and I feel much more confident teaching science.”

“Science on the Go has prompted me to encourage greater student exploration in science.”

Science on the Go | Fall 2023 – Spring 2024
### CHOOSE YOUR CURRICULUM

**science on the go**

<table>
<thead>
<tr>
<th>Quarter (Q)</th>
<th>Dates</th>
<th>Themes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Q1</strong></td>
<td>9/19 – 11/3</td>
<td>Nature in the City, Perplexing Plants, Trees Near Me, Habitat Seekers, Making Sense of Butterflies, Animal Secrets, Habitat Seekers, Trees Near Me, Making Sense of Butterflies, Perplexing Plants, Trees Near Me, Making Sense of Butterflies, Perplexing Plants</td>
</tr>
<tr>
<td><strong>Q2</strong></td>
<td>11/14 – 1/26</td>
<td>Biodiversity Disrupted, Climate Change in Chicago, Plants, Matter, Energy!</td>
</tr>
<tr>
<td><strong>Q3</strong></td>
<td>2/6 – 3/22</td>
<td>Conservation on Location, Biodiversity Disrupted, Climate Change in Chicago</td>
</tr>
</tbody>
</table>

**Register online at:** [naturemuseum.org/sog](http://naturemuseum.org/sog)

**Q1** | September 19 - November 3, 2023 | Registration Deadline: September 7
**Q2** | November 14, 2023 - January 26, 2024 | Registration Deadline: October 19
**Q3** | February 6 - March 22, 2024 | Registration Deadline: January 18
**Q4** | April 9 - May 24, 2024 | Registration Deadline: March 21
Nature in the City  K
NGSS: K-ESS3-1, K-ESS2-2
Use observations, discussions, and scientific drawings to explore ecosystems on the ground, in the trees, and near buildings.

Animal Secrets  K
NGSS: K-LS1-1, 1-LS1-1
What can humans learn from how living things survive? Explore the unique ways Midwestern animals sense and thrive in the world around them.

Trees Near Me  K
NGSS: K-ESS2-2, K-ESS3-3, 1-LS1-1
Explore the ways trees around us affect their surroundings and change over time, and how other living things use structures and senses as they interact with the trees.

Habitat Seekers  1  2
NGSS: 1-LS1-2, 2-LS4-1
Explore the animals and habitats of the Midwest! Discover the different ways adult animals care for their young in wetland, prairie, and woodland habitats.

Making Sense of Butterflies  1  2
NGSS: 1-LS1-1, 1-LS1-2, 2-LS4-1
Investigate the ways butterflies find out about the world around them. Explore the unique ways each species responds to the information they collect to increase their chances of survival.

Perplexing Plants  1  2
NGSS: 2-LS2-2, 2-LS2-1, 1-LS3-1
What is this plant and how did it get here? Explore plants, what they need to survive in one place, and how they might get to a new location.

Insect Investigators  3  4
NGSS: 3-LS4-1, 3-LS4-3, 4-LS1-1
Did you know that insects represent over 80% of the species alive on Earth? Explore the body structures, behaviors, and life cycles of Chicago’s fascinating local insects.

Freshwater Flashback  3  4
NGSS: 3-LS3-2, 3-LS4-1, 4-ESS3-2
What lives in—or used to live in—Chicago’s Great Lakes environment? Students will examine evidence of the ways local freshwater ecosystems have changed over time.

Survivor: Winter Edition  3  4
NGSS: 3-LS4-3, 4-LS1-1
Where do Chicago’s animals go in the winter? Use hands-on activities and nonfiction text to develop a claim about animals’ structural and behavioral adaptations.

Chicago Bird Watchers  3  4
NGSS: 3-LS4-3, 3-LS4-4, 4-ESS2-1
Investigate how populations of common (and uncommon) birds vary across the city of Chicago. Gather evidence about the ways species respond to changes in local habitats.

Conservation on Location  3  4  5
NGSS: 3-LS1-1, (3-LS4-4), 4-LS1-2, 5-ESS3-1
Join conservation scientists at the Nature Museum as they monitor endangered species, and work to improve local ecosystems and increase these animals’ chances of survival.

Woodland Breakdown  4  5
NGSS: 4-LS1-2, 5-LS1-2, 5-PS3-1
What’s happening in the woodland? Explore how organisms of all sizes, from fungi to frogs, get the matter and energy they need for survival.

Biodiversity Disrupted  6–8
NGSS: MS-LS2-1, MS-LS2-4, MS-ESS3-3
How can we tell if an ecosystem is healthy? Explore the work of conservation scientists at the Nature Museum and evaluate the impacts of human activities on Chicago’s woodland biodiversity.

Climate Change in Chicago  6–8
NGSS: MS-ESS3-4, MS-LS2-2
How are local species affected by climate change? Students will construct an explanation about the cause of a changing climate and its effect on biodiversity in the Chicagoland area.

Interrupted Ecosystems  6–8
NGSS: MS-LS2-1, MS-LS2-4
What happens to ecosystems when 12 million people move in? Students will analyze and interpret data, construct arguments, and explore the dynamic ecosystems of Illinois to discover how organisms respond to human disruptions.

Plants, Matter, Energy!  6–8
NGSS: MS-LS1-4, MS-LS1-5, MS-LS1-6
Investigate the complex role of plants in their ecosystems: the interactions that sustain both plants and animals, and the process plants use to cycle energy and matter into their environments.

register online at: naturemuseum.org/sog

Q1  September 19 - November 3, 2023  |  Registration Deadline: September 7
Q2  November 14, 2023 - January 26, 2024  |  Registration Deadline: October 19
Q3  February 6 - March 22, 2024  |  Registration Deadline: January 18
Q4  April 9 - May 24, 2024  |  Registration Deadline: March 21