
science on the go

fall 2018 — spring 2019

CHICAGO
ACADEMY OF
SCIENCES

PEGGY NOTEBAERT
NATURE
MUSEUM

naturemuseum.org/sog

“

*Science on the Go allows me as a teacher to be **better prepared**, and it **increases my students' interest in science** by having hands-on instruction.*

”

2018 Science on the Go teacher

what is science on the go?

Science on the Go is a professional development program designed to help K-8 educators become more comfortable teaching science through **NGSS-aligned** lessons that are **hands-on, inquiry-based**, and incorporate **cooperative learning**. For more than 25 years, our experienced education staff has been working side-by-side with teachers in classrooms throughout Chicago.

with science on the go, you'll invest in:



Professional Development **evening workshop** to prepare for classroom implementation



Nine lessons that explore local science content through NGSS-aligned curricula with all materials provided

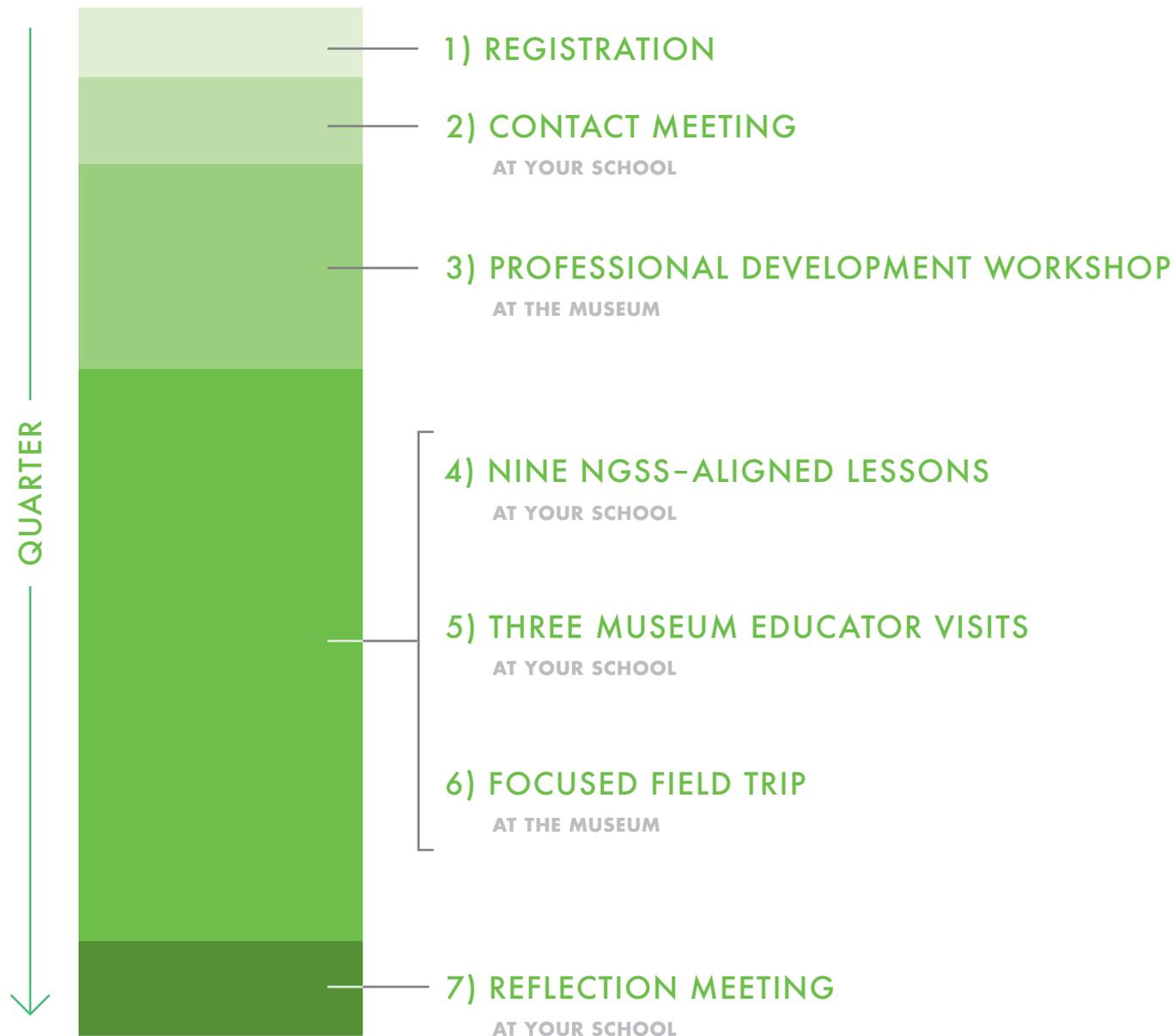


Focused Field Trip to the Nature Museum including a bus reimbursement

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

science on the go *breakdown*



1) REGISTRATION

Contact our Science on the Go manager at scienceonthego@naturemuseum.org to discuss options for your school.

2) CONTACT MEETING

Meet your Science on the Go visiting educator as they come to your school and determine your classroom visit schedule.

3) PROFESSIONAL DEVELOPMENT WORKSHOP

Participate in an evening 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 binder and all materials prepared for a class of 32 students. Earn up to six and a half professional development clock hours for the program.

4) NINE NGSS-ALIGNED LESSONS

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

5) THREE MUSEUM EDUCATOR VISITS

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

6) FOCUSED FIELD TRIP

Receive a bus reimbursement to visit the Peggy Notebaert Nature Museum and make connections between learning in and out of the classroom.

7) REFLECTION MEETING

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

“*I gained a lot of confidence in teaching science from observing the museum educator.*”

2018 Science on the Go teacher

choose your curriculum

grade	K	1	2	3	4	5	6-8
Q1		Budding Sprouts		Insect Investigators			
					Midwest Ecosystems		Interrupted Ecosystems
Q2	Animal Secrets						
	Nature in the City						
		Habitat Seekers	Water All Around Us				
				Survivor: Winter Edition			
Q3					Chicago's Nature Network		
							Interrupted Ecosystems
	Animal Secrets						
		Habitat Seekers					
Q4							

curriculum descriptions

Animal Secrets **K 1**

NGSS: K-LS1-1, 1-LS1-1

What can humans learn by studying how living things survive? Explore the unique ways Midwestern plants and animals sense and thrive in the world around them. **QUARTERS 2, 3, 4**

Biology Basics **6-8**

NGSS: LS1.B, LS2.A, LS3.A

Students are introduced to a variety of biology topics including cellular structure, food obtainment, reproduction, and population dynamics. Students will deepen their knowledge of biology through hands-on experiences and peer collaboration! **QUARTER 2**

Budding Sprouts **1 2**

NGSS: 1-LS3-1, 2-LS2-1

Discover how plants spread without being planted and nurtured by humans! Use hands-on modeling to explore plant parts, pollination, and seed dispersal. **QUARTERS 1, 4**

Chicago's Nature Network **4 5**

NGSS: 1-LS3-1, 2-LS2-1

What is Chicago's apex predator? Explore Chicago's food web and the connections between local living and non-living things. **QUARTERS 2, 3, 4**

Habitat Seekers **1 2**

NGSS: LS1A, LS1.D

Explore the animals and habitats of the Midwest! Discover the different ways adult animals care for their young in wetlands, prairies, and woodland habitats. **QUARTERS 2, 3**

Insect Investigators **3 4**

NGSS: 3-LS1-1, 3-LS4-3, 4-LS1-1

Did you know that insects represent over 80% of the species alive on Earth? Explore the body structures and their functions, behaviors, and life cycles of Chicago's fascinating local insects. **QUARTERS 1, 4**

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. **QUARTERS 1, 2, 3, 4**

Junior Scientists **2 3**

NGSS: PS1.A, ETS1.A

Explore a future career as a scientist! Students engage in NGSS Science and Engineering Practices through a variety of activities: becoming junior chemists, biologists, and engineers. **QUARTER 3**

Midwest Ecosystems **4 5**

NGSS: 3-LS2-1, 4-LS1-1

What makes a wetland a wetland? Are certain animals only adapted to survive in a woodland? Can fire in a prairie be a good thing? Explore interactions within the three main ecosystems of the Midwest. **QUARTERS 1, 3, 4**

Nature in the City **K 1**

NGSS: LS1.A, LS1.D

Take a walk around the neighborhood—what plants and animals will you see? Use observations, discussions, and scientific drawings to explore ecosystems on the ground, in the trees, and near buildings. **QUARTER 2**

Survivors: 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. **QUARTERS 2, 3**

Systems and Cycles **6-8**

NGSS: LS2.A; LS2.C

Want to explore the Crosscutting Concept of Systems and System Models? This curriculum models a variety of systems and cycles including ecosystem interaction and the carbon cycle. **QUARTERS 3, 4**

Water All Around Us **2 3**

NGSS: 2-LS4-1, 3-LS4-3, 3-LS4-4

What lives in and around the water in Chicago? Through exploration of lakes, rivers, and wetlands students will investigate the living and non-living features that keep these ecosystems afloat! **QUARTERS 2, 4**

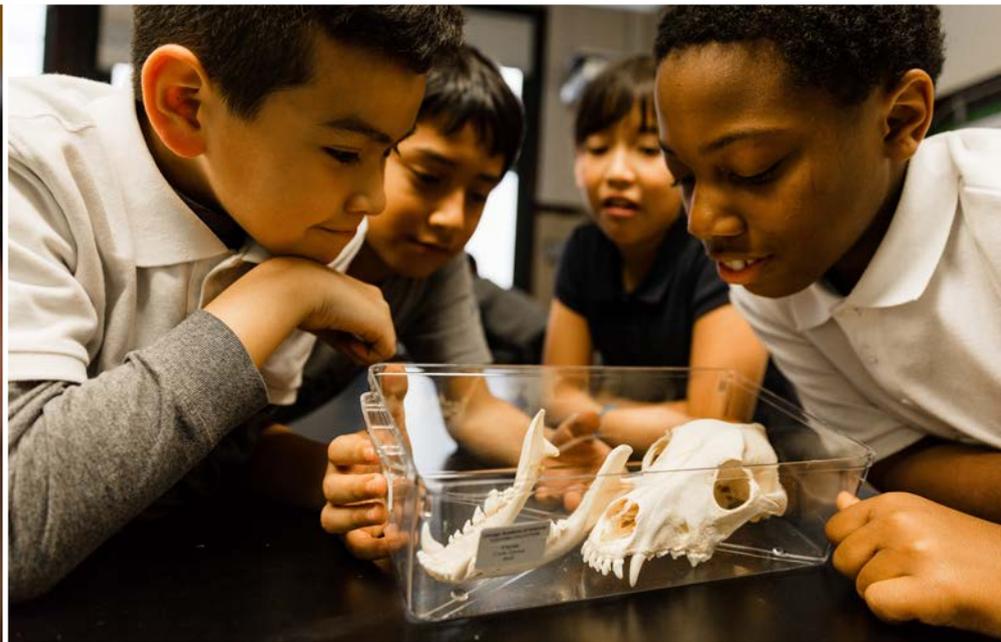
register at naturemuseum.org/sog

Q1 SEPTEMBER 27 – NOVEMBER 9, 2018 // REGISTRATION DEADLINE **SEPTEMBER 6**

Q2 NOVEMBER 27, 2018 – JANUARY 25, 2019 // REGISTRATION DEADLINE **OCTOBER 25**

Q3 FEBRUARY 12 – MARCH 29, 2019 // REGISTRATION DEADLINE **JANUARY 10**

Q4 APRIL 23 – JUNE 7, 2019 // REGISTRATION DEADLINE **MARCH 14**



Please contact our Science on the Go manager
at scienceonthego@naturemuseum.org
or 773.755.5100 x5035 to register or
ask questions.

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