

School ZooMobile

Curriculum Descriptions



When to Book

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Paula Booth, Reservations Associate
Oakland Zoo Education Department
PO Box 5238, Oakland, CA 94605
P: 510.632.9525 x220 F: 510.729.7324
EducationReservations@oaklandzoo.org

An Education Specialist will bring the ZooMobile to your classroom and use small animals and animal artifacts to teach grade-appropriate topics. Participants will have an opportunity to see the animals up close and to touch most of the animals presented. Program times are based on the age and activity level of the participants.

For Ages

Pre-K-12th

Length of Time

30-40 minutes (Pre-K-1st)

50 minutes (2nd-12th)

Times

Start times are between 9:30am and 2:00 pm.

Availability

Monday-Friday, year-round

Participants

Max 35 participants per program

Program

Our programs are designed to fit the Next Generation State Standards for each grade (see **Programs Topics** for more details).

Pricing

40 Minute: **\$155** for first program
 \$130 for each additional class, max 3 per day

50 Minute: **\$180** for first program
 \$155 for each additional class, max 2 per day

ZooMobiles take place rain or shine.

School ZooMobile

Curriculum Descriptions



Oakland Zoo Education Department supports the Next Generation Science (NGSS) & Common Core Standards and Practices in our school programs. Our programs are designed to complement and supplement your classes Science curriculum.

Kindergarten - “Happy, Healthy, & Alive!” - Animal Care & Needs (K-LS1.C)

Let’s see - you’ve got your water, you’ve got your food, you’ve got your air, a little space – all the requirements for survival. But is that enough? Did you know that, just like us humans, playing and having something fun or interesting to do can be just as important to an animal’s health as getting food and water? Through observations students will discover what animals need to survive and that some animals need more to lead an enriching life!

1st Grade - “Ooh, That Smells So Good On My Tongue!” - Animal Senses & Body Parts (1-LS1.A, 1-LS1.D)

Can you hear with your feet? Do you smell with your mouth? Might sound strange to us, but for different animals, using your body parts in different ways is key to survival. Together we’ll use some of our senses to see how animals use their bodies and various senses to survive in the wild.

2nd or 3rd Grade - “Habitat is Where the Home Is” - Animal Adaptations & Habitats (2-LS4.D; 3-LS2.C, 3-LS4.C, 3-LS4.D)

Why are polar bears white? Why does a camel have a hump? What would happen if the bear moved to the desert and the camel transferred to the tundra? Join us as we explore the world of animal adaptations and how each habitat affects the animals that live there – and vice versa!

3rd Grade - “Born to Be Wild” - Animal Families & Offspring (3-LS1.B)

So there you were, a helpless little baby in a big, weird world. Did you bundle up when you were cold? Did you make a bottle when you were hungry? Did you do it all by yourself or did you need someone’s help? Learn to recognize patterns in nature that tell us if an animal will be born hapless and helpless, ready to roll, or somewhere in between.

4th Grade - “Chew On This” - Animal Skulls & Structures (4-LS1.A)

You can tell a lot about an animal by looking at its face. You can find out even more by looking at their teeth, but it’s probably not recommended to get that close. Instead, use skulls and animal observations as tools for understanding the function and connection of structures that are key for an animal’s survival.

4th Grade - “Poop – the Best Gift Ever!” - Animal Digestion & Scat (4-LS1.A)

Some call it waste, some call it poop, but no matter the name, “its” importance to the ecosystem is undeniable. Become a Scatologist and discover the many ways we can learn about animals from their waste, and how animal digestion and the resulting feces keep the world’s food web alive and healthy.

5th Grade - “Nature’s Balancing Act” - Animal Food Webs & Ecosystems (5-LS2.A)

Herbivores eat plants, the carnivores eat them, and the decomposers always win in the end. All organisms “work” together to provide a healthy ecosystem – that’s interdependence! So what happens when one is taken out of the equation? What happens when one is added to the balance? Students will discover the importance and fragility of ecosystems by thinking critically and reimagining the world with the loss of important keystone species and the addition of invasives.

School ZooMobile Curriculum Descriptions



Topic by Grade Level Matrix							
Grade Level	Animal Care & Needs	Animal Senses & Body Parts	Animal Families & Offspring	Animal Adaptations & Habitats	Animal Skills & Structures	Animal Digestion & Scat	Animal Food Webs & Ecosystems
Kindergarten	•						
1 st Grade		•		•			
2 nd Grade				•			
3 rd Grade			•	•			
4 th Grade				•	•	•	
5 th Grade						•	•

• = Topic meets some requirements for grade • = Topic recommended and meets requirements for grade

**Coming Soon! Click on your topic above to see a more detailed chart of how it fits with standards.*

NGSS Disciplinary Core Ideas Supported by Topic

Animal Care & Needs

K-LS1.C

Animal Senses & Body Parts

1-LS1.A, 1-LS1.D

Animal Families & Offspring

3-LS1.B

Animal Adaptations & Habitats

1-LS1.A; **2-LS4.D**; 3-LS2.C, 3-LS4.C, 3-LS4.D; **4-LS1.A**

Animal Skills & Structures

4-LS1.A

Animal Digestion & Scat

4-LS1.A; 5-LS2.B

Animal Food Webs & Ecosystems

5-LS2.A

Oakland Zoo recognizes the importance of the 3 Dimensions of the Next Generation Science Standards. We also strive to include California's Environmental Principles and Concepts in conjunction with the Next Generation Science Standards. While we work to touch on all components, the items in bold are the strongest in our programs.

Cross Cutting Concepts and Science & Engineering Practices

Crosscutting Concepts in NGSS:

1. **Patterns**
2. **Cause and effect: Mechanism and explanation**
3. Scale, proportion, and quantity
4. **Systems and system models**
5. Energy and matter: Flows, cycles, and conservation
6. **Structures and function**
7. Stability and change

Science & Engineering Practices in NGSS:

1. **Asking questions (for science)** and defining problems (for engineering)
2. **Developing and using models**
3. **Planning and carrying out investigations**
4. **Analyzing and interpreting data**
5. Using mathematics and computational thinking
6. **Constructing explanations (for science)** and designing solutions (for engineering)
7. **Engaging in argument from evidence**
8. **Obtaining, evaluating, and communicating information**

School ZooMobile

Zone Fees



In order to cover expenses like gas and extra driving time, a zone fee will be charged for some programs. ZooMobile start times are between 9:30am and 2:00 pm.

Zone Fee	Cities
\$0	Alameda, Albany, Ashland, Berkeley, Castro Valley, Cherryland, Emeryville, Hayward, Mount Eden, Oakland, Piedmont, San Leandro, San Lorenzo
\$35	Canyon, Dublin, East Richmond Heights, Fairview, El Cerrito, El Sobrante, Kensington, Lafayette, Moraga, Orinda, Pleasanton, Richmond, Rollingwood, San Pablo, Tara Hills, Walnut Creek

*At least 2 programs must be reserved in the following areas
(except for Birthday ZooMobiles)*

\$50	Alamo, Diablo, Danville, Pleasant Hill, San Ramon, Walden
\$75	Bayview-Montalvin, Concord, Fremont, Livermore, Newark, Union City, Sunol

Occasionally we are able to serve cities and towns not shown on the list above. For more information please contact our Reservations Associate at 510-632-9525 x220 or e-mail at educationreservations@oaklandzoo.org

School ZooMobile

Request Form



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Location Information

Location Name: _____

Location Address: _____

City, State, Zip: _____

District: _____

Contact Information

Making Reservation: _____

Confirmation Phone: _____

Confirmation Email: _____

Day of Visit Contact: _____

Day of Visit Phone: _____

Program Information

Choice 1 Choice 2 Choice 3

Preferred Date: _____

Preferred Start Time: _____

Program Length: 30-40 min 50 min

of Programs: _____ (max 3) _____ (max 2)

Choose Topic: (topics & descriptions can be found on Page 2)

Program #1: _____

Program #2: _____

Program #3: _____

School ZooMobile

Fees & Payment



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Fee Information

Program Fees

1 - 40 min program @ \$155 \$ _____
 1 additional program @ \$130 \$ _____
 1 additional program @ \$130 \$ _____
(max of 3 programs per day)

1 - 50 min program @ \$180 \$ _____
 1 additional program @ \$155 \$ _____
(max of 2 programs per day)

Total Program Fees \$ _____

Zone Fee (see Zone Fee Map) \$ _____

Total Amount Due \$ _____

Payment Information

Check# _____ Amount \$ _____ (payable to "Oakland Zoo")

Credit Card: Visa MC AmEx Discover

Number _____

Exp. Date: ____ / ____ Security Code _____

Name on Card: _____

Amount to charge: \$ _____

Signature: _____ Date: _____

Note: If you will be using a Purchase Order you must mail or fax us a copy of the actual PO to process your registration request.

School ZooMobile

Required Signatures



Please get all needed signatures and remember that your order cannot be processed until the complete request packet is received by our Reservations Associate.

I have read and agree to abide by the policies and procedures for Education programs at the Oakland Zoo as listed below.

- ✓ Payment Due Policy.
- ✓ Change Policy.
- ✓ Cancel Policy.
- ✓ To distribute the following to each teacher attending: **Planning Checklist, FAQs about your Program, and Behavior Expectations.**

Contact Signature: _____

Date: _____

Lead Teacher Signature: _____

Date: _____

(if not the above contact)

Signature of Principal: _____

Date: _____

(Vice Principal may also sign)

School ZooMobile

Location Information



We are looking forward to coming to your school with our ZooMobile program. Please provide the information below so that we know how best to find you. If you know it will be difficult to find your location, we would also appreciate if you would attach a site map with the office, entry and presentation location(s).

Where are we going?

School/Group Name: _____

Address: _____

Street Avenue Blvd Other: _____

N, S, E, or W? _____

City: _____

What is the cross-street? _____

Is the school part of a larger complex? Yes No

Complex name: _____

Location within: _____

Is the door we enter on the street address? Yes No

If no, describe entrance location: _____

Where should we park? (a yellow or purple Prius)

Parking lot? Yes No

Location: _____

Driveway? Yes No

Location: _____

Street parking? Yes No

If yes, are there meters on street? Yes No

Other? _____

Where do we go when we arrive?

Is there a **front desk** where we check in?

Yes No

Location: _____

Are there **stairs** getting to or inside of the facility? Yes No

How many? _____

Location(s)? _____

Is there **elevator** access? Yes No

Location of elevators: _____

School ZooMobile

Participant Information



To better prepare the Zoo staff to provide a great program, please tell us a bit more about the students who will be participating in each program.

Teacher: _____

Classroom #: _____

Number of Students: _____

Grade(s): _____

Email: _____

Program Order: 1st 2nd 3rd

Using the choices below, please indicate the number of students in your class who have special needs around:

___ Physical/Mobility: _____
___ Cognitive functioning ___ Behavior ___ Hearing
___ Sight/Vision ___ Other: _____

What % of the students are English Language Learners? _____%

What is/are the primary language(s) spoken by these students (other than English)? _____

What science topics will you be focusing on during the time of our visit?

Teacher: _____

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Number of Students: _____

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Email: _____

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