Course Description
Solve a real-world problem with Denver Zoo in this toadally awesome workshop. You’ll dive into project-based learning—and hop away with resources, materials, and techniques for exploring authentic conservation problems in your classroom. Our boreal toad conservation project will be a jumping-off point to design your own teaching units.

Course Objectives
1. Teachers will understand the benefits of project-based learning (PBL) as a teaching method and active engagement learning approach.
2. Teachers will participate in a project-based learning unit through the lens of Denver Zoo’s Boreal Toad Project to deepen their understanding of the PBL approach.
3. Teachers will begin to plan their own project-based learning unit, in collaboration with fellow teachers; Educator guide with resources and materials provided to support creation of Boreal Toad PBL.

Course Outline

<table>
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<th>Day One</th>
<th>Day Two</th>
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| 8:30 – 10:00 | – Arrival, breakfast provided.  
– Introduction to the Course and Course Resources  
– Breaking Barriers Activity | – Arrival, breakfast provided.  
– Identifying problems  
– Lesson Planning Tool |
| 10:00 – 12:00 | – Introduction to Boreal Toad project and problem statement  
– Begin project research | – Zoo Exploration: Project Inspiration |
| 12:00 – 12:30 | – Lunch – Zoo Provided | – Lunch – Zoo Provided |
| 12:30 – 1:30 | – Behind the Scenes Experience | – Student Panel Discussion |
| 1:30 – 3:00 | – Expert Panel  
– Project Research  
– Begin project presentation | – Animal Experience  
– Framing Conservation Conversations with Students  
– PBL Unit Planning |
| 3:00 – 4:00 | – Project Presentation Panel  
– Collaborative Feedback and Brainstorming | – Resource Sharing  
– Collaboration and Feedback |
| 4:15 – 4:30 | – Wrap up and debrief | – Wrap Up and debrief, survey |

Course Logistics
**Location and Navigation:** This workshop will take place on the Denver Zoo campus. You may park in any of the parking lots adjacent to the Zoo or in the Zoo’s four-level parking garage. All the parking is free. Denver Zoo encourages carpooling, using public transportation, bike riding and walking.
Consideration for Included Activities: In order to safely participate in the day’s agenda, please consider your ability and willingness to

- Walk short and medium distances (could be up to 2 miles cumulatively over the course of the day).
- Spend time in the heat and sun, or potentially adverse weather conditions.

Should you require accommodation to participate in any of the listed activities, please contact us at dzeducation@denverzoo.org or 720-337-1670 to discuss.

Dress for Success: The Zoo’s beauty is best appreciated outdoors, so please prepare for the day’s predicted weather conditions. Please consider wearing/bringing:

- Sturdy close-toed shoes
- Sunscreen
- Sunglasses
- A water bottle (refill stations available)
- Hat
- Small backpack

Lunch Break: We will provide breakfast and lunch; however, it is always a good idea to bring along extra snacks to fuel yourself for hot days!

Classroom Connections: We will spend time throughout each day researching and planning units while we explore the pedagogy of project-based learning. It would be helpful to come prepared with district/school specific knowledge of your content and standards to refer to if needed. Please bring a device to work on and something to write with!