- What is the Acadia Learning project?



## - What is the Acadia Learning project?



## Connecting teachers, students, parks, \& science

Upcoming Events

## Welcome

This program takes research issues and topics of interest to National Parks out to teachers and schools across Maine, engaging students in useful citizen science research while providing them with enriched science education. The initiative is made of a number of interconnected projects that focus on different scientific and educational research problems.

| Today |  |  |  |  |  |  |
| ---: | ---: | ---: | ---: | ---: | ---: | ---: |
| Sun Mon Tue Med Thu | Fri |  |  |  | Sat |  |
| 27 | 28 | Mar 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | 31 | Apr 1 | 2 |

Events shown in time anne Fastern Time Goosle Calendar

## Our Projects

Select the links below for more information on Acadia Learning's projects:

- Mapping and Data
- Dragonfly Identification Key how the world works. Either way, it's data that let us move forward (even when moving fonward feels like a step backward, as in the latter case).


## -What is participatory science?

Teachers and students working closely with scientists collect and analyse data that are used

By scientists to answer other questions:

By students to answer their own questions:

From a group of student researchers at Bangor High School:

Topic:
Mercury, the stonefly and the water scorpion....
'Our claim is that organisms higher in the food chain will contain more mercury."

- New research is evaluating odonate (dragonfly) 1arvae as mercury indicators
- Hypotheses: differences among sites, families, size classes?

- What is the Acadia Learning project?



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By scientists to answer other questions:
their own questions:
???

## Where are we in the eel project?

- At the very beginning!
- This spring (2011): find eel sampling locations, observe existing eel ladders in action, talk to Marine Patrol and elver fishermen and dealers
- Next fall (2011): begin working with local teachers and students
- Next spring (2012): sampling with these local teachers and students


## What we're looking for:

- Sampling locations:
- Near schools
- Near us
- Recommendations/
useful eel information


## What we're looking for:

- Sampling locations:
- Small systems
- ex: Patten Stream, Surry


Image courtesy of Blue Hill Heritage Trust

## What we're looking for:

- Sampling locations:
- Dams, perched culverts, other impediments


## What we're looking for:

- Sampling locations:
- No salmon
- Recommendations/useful eel information


Fyke net, Union River, Ellsworth.

