

Climate Initiative

Lesson 1: The Scientific Method told through Phenology

The rules of good science:

Because science is AWESOME!!



1. Ask a question



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- 1. Ask a question
- 2. Make a hypothesis



- 1. Ask a question
- 2. Make a hypothesis
- 3. Collect data



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- 1. Ask a question
- 2. Make a hypothesis
- 3. Collect data
- 4. Make conclusions



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- 1. Ask a question
- 2. Make a hypothesis
- 3. Collect data
- 4. Make conclusions
- 5. Share your results



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Data is important careful, correct, clean!



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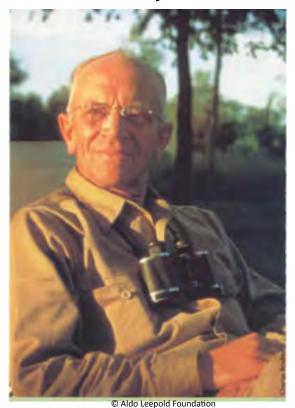






Wisconsin Phenology

Aldo Leopold: Wisconsin phenology 1930s-40s





© Bill Hal

Wisconsin Phenology

Nina Leopold: Wisconsin phenology 1970s-2011









The Scientific Method More data = more POWERFUL! Long term data sets





Our Hypothesis: Many spring events are happening earlier now than they did in the past.



Whole Class: Bird Species & Behavior





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Group 1: Daytime HIGH temperature





© Bryan Alexander

© Daniel Zimmermann

Group 2: Nighttime LOW temperature







© Tim Kouroff

Group 3: Ice



Group 4: Precipitation





© Christian Kadluba

Your Research Project Group 5: Plants



Created By:

Carolyn Byers, Education Director (608) 255-2473, ext. 555 (office) carolyn.byers@madisonaudubon.org

Contact us at MAS:

1400 East Washington Ave | Madison, WI 53703 608-255-2473 info@madisonaudubon.org

